

RESULT 9
i ORGANISM: Myxococcus xanthus
 Query Match 8.4%; Score 84; DB 4; Length 612;
 Best Local Similarity 23.9%; Pred. No. 3.6;
 Matches 53; Conservative 31; Mismatches 64; Indels 74; Gaps 13;
 Qy 30 BEAIEQEVQD-----TUKSLGIVRLLGKIFRQEE-NANAV---LLELED---- 71
 Db 297 ELGEVEAVRLQRQYDVRDAVLRDGTGARRLGVYVQQAEELDSALSFMRKELPDLHV 356
 Qy 72 -----TDVSAIPSEVOQKGKGYWKVIFPTENQDE-----FLE 103
 Db 357 PAAFVALDALPLSPSGKVDRALPAPDARGNARV-FTEPRTEAKALAALWTQVLGCV 415
 Qy 104 RLNL---FLEKEGQTGVSM---FRAGOEALSPATVCISPELLAHLG----- 146
 Db 416 RVSLLHDNFPLRGGSILGQIVSRAKALGHE-LSPAML---FERQLVELAAAAGTAGKT 472
 Qy 147 --QANAHAPOPLPMRVRKPVPLTMQ---AVPAPEERSFEWLE 185
 Db 473 AEQGLVEVGPPVPLTMQ---RIFDEWAALPQPHYNLAAVLE 510

RESULT 9
i Sequence 5974, Application US/09134000C
i Patent No. 6617156
i GENERAL INFORMATION:
i APPLICANT: Lynn Doucette-Stamm et al
i TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO
i TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
i FILE REFERENCE: 032:796-032
i CURRENT APPLICATION NUMBER: US/09/134,000C
i CURRENT FILING DATE: 1998-08-13
i PRIOR APPLICATION NUMBER: US 60/055,778
i PRIOR FILING DATE: 1997-08-15
i NUMBER OF SEQ ID NOS: 6812
i SOFTWARE: Patentin version 3.1
i SEQ ID NO: 5974
i LENGTH: 547
i TYPE: PRT
i ORGANISM: Enterococcus faecalis

Query Match 8.3%; Score 82.5; DB 4; Length 547;
 Best Local Similarity 22.0%; Pred. No. 4.4;
 Matches 44; Conservative 38; Mismatches 65; Indels 53; Gaps 9;
 Qy 5 LEDW-CRIMSVDEQKSLMTGIG-PAD-----PEEAE-----IQEVLOETIKSLGRY 48
 Db 310 LELWKNYRLINSDYQLAIVYGVTKPENTHIRQQAEQOLIFWKLQCPPELLPDYLF 369
 Qy 49 RLLGK-----IIRQEENANAVLLELDSDVAlSEVO-GKGEVWVII FKTPNQDIEFL 102
 Db 370 KLNQNQNSLILFQSKNDHLMLQNLAEQLQALPITFALGNAYENEDLPNSYIAS 429
 Qy 103 ERNLFLFLEKEGQTGVSMFRALGOBALSPATVCISPELLAHLG-----Q 147
 Db 430 STLEASL-----HAQKPAATVQLFHPKGTLGLFBEKIGRDVEYFCQOOLK 473
 Qy 148 AMAHAPQPLPMRVRKLVF 167
 Db 474 ELAYTPEPTIQLERKTLKVF 493

RESULT 10
i Sequence 10 796A-16474
i Sequence 16474, Application US/09248796A
i GENERAL INFORMATION:
i APPLICANT: Keith Weinstock et al
i TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN

; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196-132
 ; CURRENT APPLICATION NUMBER: US/09/248,796A
 ; CURRENT FILING DATE: 1999-08-12
 ; PRIOR APPLICATION NUMBER: US 60/074,725
 ; PRIOR FILING DATE: 1998-02-13
 ; PRIOR APPLICATION NUMBER: US 60/096,409
 ; PRIOR FILING DATE: 1998-08-13
 ; NUMBER OF SEQ ID NOS: 28208
 ; SEQ ID NO: 16474
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Candida albicans
 ; US-09-248-796A-16474

Query Match 8.2%; Score 81.5; DB 4; Length 285;
 Best Local Similarity 21.0%; Pred. No. 2.1;
 Matches 51; Conservative 37; Mismatches 62; Indels 93; Gaps 11;
 Qy 26 PADPEAEIQLEVILQ-ETLKLSL-GRY-----RLIGKIFRKQENANAVLLELDTD 73
 Db 32 PKGFEKAVGDIILQSRETPKSITGRFAPLKTQNSWQQLVRSSEDFGPNPNAIYTIVIE-P 89
 Qy 74 VSAIPSEVQGKGGWVWVYLFKTPNQD-----TEFLERLNLFL----- 109
 Db 90 VNADPSKIAS---YQVFEDAAKADCAPSYALQFGSDLTTFVTAQENYLMAPLDDQGYV 145
 Qy 110 -----EKEGQTYSGMFIA-----LGQEAI-----LSP 130
 Db 146 VSPDYEGRPLKLTFTIGKOSQAVATLSKSKTNIKEDAKVVMWYSGGSLASGMAA 205
 Qy 131 ATVPCTISPELLAHLLGQAMAHAPQPLLPMRVYKLRV-----PGSGAVAPPEERSF 180
 Db 206 ALQPSYAPBELSSLLGCCLRWNNWWPNULLPHKQLMVLYQELWQMPMVGGANEYPESQS- 264
 RESULT 11
i Sequence 7656, Application US/09328352
i Sequence 7656, Application US/09328352
i APPLICANT: Gary L. Breton et al.
i TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
i TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
i FILE REFERENCE: GTC99-03 PA
i CURRENT APPLICATION NUMBER: US/09/328,352
i CURRENT FILING DATE: 1999-06-04
i NUMBER OF SEQ ID NOS: 8252
i SEQ ID NO: 7656
i LENGTH: 580
i TYPE: PRT
i ORGANISM: Acinetobacter baumannii
i US-09-248-352-7656

Query Match 8.2%; Score 81.5; DB 4; Length 580;
 Best Local Similarity 25.2%; Pred. No. 6.1;
 Matches 36; Conservative 22; Mismatches 58; Indels 27; Gaps 5;
 Qy 30 BEAIEQVILQETIKSLGR-----YRL-LGKIFRKQENANAVLLELDTDY 75
 Db 248 EQGTAEQVLEQPKDQDVTRALLYCRQPMQRPLPVTSDFWRQE-TNNILVE-QSPFV 303
 Qy 76 AIPSEVQGKGGWVWVIFKTPNQDTEFLERLNLFLKEGQTGVSM-----FRAUQGE 126
 Db 304 EIPPERKRLNGDEQILEVKDKFSRKGLEGKEFQAVKGVSFKLAKGKTLGLVGES 363
 Qy 127 ALSPATVPCISPELLAHLLGQAM 149
 Db 364 GSQKTTVGLLMLRHLQASGGQAL 386

APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: C101307
 CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498
 NUMBER OF SEQ ID NOS: 207012
 PRIOR FILING DATE: 2000-09-08
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 10853
 LENGTH: 3638
 TYPE: PRT
 ORGANISM: Human
 US-09-949-016-10853

Query Match 8.8%; Score 87.5; DB 4; Length 3838;
 Best Local Similarity 24.0%; Pred. No. 22; Indels 59; Gaps 9;
 Matches 50; Conservative 28; Mismatches 71;

Qy 20 LMVTCIPADPBEAIEQEVQDTELTLSLGR-----YRLJGKFRQENANAVL 66
 Db 859 LCVDNIQQLPFLDHIQPVRAELMQLALWTRLNPADSIVAYRVGKF ---GGSNRKL 914

Qy 67 ELLEPDVSAIPEVQKGCGWVKVTFKPNQDTFLF---RLNLFLKEKGOT----- 115
 Db 915 K--EPQKLHVVTEVG-----PSITVERSDCKASQLPMEKAETALDCDKSA 961

Qy 116 -VSGNFRALQEAQSATPVCPISPELLAHILQAMAH-----AQPLPMPYRKLRVF 167
 Db 962 NTEPYRRQAWEVIKCFLAMMSLEDKHALYQOLAHNPFTKTIPNTVISHRYK---- 1016

Qy 168 SGSAVAPPEESFVWLEQA---TEIVKE 193
 Db 1017 --RQDTPRKTFQALTGFMSAVKD 1041

RESULT 6
 US-09-792-024-121
 Sequence 121, Application US/09792024
 GENERAL INFORMATION:
 APPLICANT: Roemer, Terry
 APPLICANT: Jiang, Bo
 APPLICANT: Boone, Charles
 APPLICANT: Bussey, Howard
 TITLE OF INVENTION: Gene Disruption Methodologies for Drug Discovery
 TITLE OF INVENTION: Targets Discovery
 CURRENT APPLICATION NUMBER: 10182-004-999
 CURRENT FILING DATE: 2001-02-20
 NUMBER OF SEQ ID NOS: 490
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 121
 LENGTH: 520
 TYPE: PRT
 ORGANISM: Candida albicans
 US-09-792-024-121

Query Match 8.5%; Score 84.5; DB 4; Length 520;
 Best Local Similarity 23.1%; Pred. No. 2.5; Indels 53; Gaps 11;
 Matches 51; Conservative 39; Mismatches 78;

Qy 7 DWCRIMSYDEQKSLMVHG-IP-----ADFEAEIQEVLOETLKSLSGRYRLGKIFRK 57
 Db 241 DYTTRSVDELCs--ITGMIPSSSTRKAEWYANFSNEEEKVTFKPNQDTFLERLNLFKE 298

Qy 58 QENANAVLLELED--TDVSAIPSEVQKGCGWVKVTFKPNQDTFLERLNLFKE 112
 Db 248 DYTTRSVDELCs--ITGMIPSSSTRKIAEWYANFSNEEEKVTFKPNQDTFLERLNLFKE 305

Qy 113 GQTYSGM-----PRALQEA-----LSPATVCPISPELLAHILQAMAH 152
 Db 358 GRKFKTLESDNTDSFYQGLRKGEHPKRIRVTKDNLSPRVLAIQKERVADL---YTHN 413

Qy 153 PQPLPMPYRKLRVFQSGAVAPPEESFVWLEQA---TEIVKE 193
 Db 414 PGSLF----DLRIMSLSLEIPVFGQNIESITTKNPKEMVRE 449

RESULT 7
 US-09-248-796A-15917
 Sequence 15917, Application US/09248796A
 Patent No. 6741137
 GENERAL INFORMATION:
 APPLICANT: Keith Weinstock et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
 TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196_132
 CURRENT APPLICATION NUMBER: US/09/248-796A
 CURRENT FILING DATE: 1999-02-12
 PRIORITY NUMBER: US 60/074,725
 PRIOR FILING DATE: 1998-02-13
 PRIORITY NUMBER: US 60/096,409
 PRIOR FILING DATE: 1998-08-13
 NUMBER OF SEQ ID NOS: 28208
 SEQ ID NO 15917
 LENGTH: 527
 TYPE: PRT
 ORGANISM: Candida albicans
 US-09-248-796A-15917

Query Match 8.5%; Score 84.5; DB 4; Length 527;
 Best Local Similarity 23.1%; Pred. No. 2.5;
 Matches 51; Conservative 39; Mismatches 78; Indels 53; Gaps 11;

Qy 7 DWCRIMSYDEQKSLMVHG-IP-----ADFEAEIQEVLOETLKSLSGRYRLGKIFRK 57
 Db 248 DYTTRSVDELCs--ITGMIPSSSTRKAEWYANFSNEEEKVTFKPNQDTFLERLNLFKE 305

Qy 58 QENANAVLLELED--TDVSAIPSEVQKGCGWVKVTFKPNQDTFLERLNLFKE 112
 Db 248 DYTTRSVDELCs--ITGMIPSSSTRKIAEWYANFSNEEEKVTFKPNQDTFLERLNLFKE 305

Qy 113 GQTYSGM-----PRALQEA-----LSPATVCPISPELLAHILQAMAH 152
 Db 358 GRKFKTLESDNTDSFYQGLRKGEHPKRIRVTKDNLSPRVLAIQKERVADL---YTHN 413

Qy 153 PQPLPMPYRKLRVFQSGAVAPPEESFVWLEQA---TEIVKE 193
 Db 414 PGSLF----DLRIMSLSLEIPVFGQNIESITTKNPKEMVRE 449

RESULT 8
 US-09-902-540-13545
 Sequence 13545, Application US/09902540
 Patent No. 6783935
 GENERAL INFORMATION:
 APPLICANT: Goldman, Barry S.
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Wiegand, Roger C.
 TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 FILE REFERENCE: 38-10 (15849) B
 CURRENT APPLICATION NUMBER: US/09/902,540
 CURRENT FILING DATE: 2001-07-10
 PRIORITY NUMBER: 60/217,883
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 13545
 LENGTH: 612
 TYPE: PRT

Query Match 8.5%; Score 84.5; DB 4; Length 520;
 Best Local Similarity 23.1%; Pred. No. 2.5; Indels 53; Gaps 11;
 Matches 51; Conservative 39; Mismatches 78;

Qy 7 DWCRIMSYDEQKSLMVHG-IP-----ADFEAEIQEVLOETLKSLSGRYRLGKIFRK 57
 Db 241 DYTTRSVDELCs--ITGMIPSSSTRKAEWYANFSNEEEKVTFKPNQDTFLERLNLFKE 298

Qy 58 QENANAVLLELED--TDVSAIPSEVQKGCGWVKVTFKPNQDTFLERLNLFKE 112

TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 13
LENGTH: 462
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-13

Query Match 44.5%; Score 443.5; DB 3; Length 462;
Best Local Similarity 46.8%; Pred. No. 8.2e-39; Indels 3; Gaps 2;
Matches 89; Conservative 34; Mismatches 64; DB 178
Qy 6 EDWCRIMSYDDEQKSLMVTGKIPADFBEAEIQEVQTLKSLGRYRLGKIFRKQENANAVL 65
Db 1 QDWCRGEHINTRRCMLILIGLPEDCGEDEFBETLQEAHRHLGRYRVMGRREENAQAL 60
Qy 66 LELLEDTDWSAIPSEVQGGGWKIVKTFPNQDFERFLNLFLKEEGCTVSGMFRALGQ 125
Db 61 LELAIDDIAALPPIPQKGPWEVTKPRNSDGFELNRLNRFLEEERTVSDMNRVIGS 120
Qy 126 EALSPATPVCLISPELLAHLLQAMAHAPQPLL-PMYRQLRVLFGSAVPEBESFEYW 184
Db 121 DTNCSPAPRTISPEFWT-WAQTLGAANQPLLEQMLYRBLRVSQNTISIPGALAFDWL 178
Qy 185 EQATEIVKEW 194
Db 179 EHTTEMLQMW 188

RESULT 3
US-09-189-527-4
Sequence 4, Application US/09189527A
Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfield
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 4
LENGTH: 329
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-4

Query Match 44.3%; Score 441; DB 3; Length 329;
Best Local Similarity 46.4%; Pred. No. 9.2e-39; Indels 6; Gaps 4;
Matches 90; Conservative 37; Mismatches 61; DB 177

Qy 2 LALLEDDWCRIMSYDDEQKSLMVTGKIPADFBEAEIQEVQTLKSLGRYRLGKIFRKQENAVL 61
Db 3 MTLEDWCRMDVNSQRTLWVGIPVNCDAEFEETLQAMPQVS-1RMLGRMFWREENA 61
Qy 62 NAVILLEEDTDWSAIPSPVOGKGSMWVFKTPNQDFERFLNLFLKEEGTSGMFR 121
Db 62 KAALIELTGDVYDAAIPRNPKGSMWVFKTPNQDFERFLNLFLKEEGTSGMFR 121
Qy 122 ALGQEALSPATPVCPISPELLAHLLQAMAHAPQPLL-PMYRQLRVLFGSAVPEEESF 180
Db 122 VLGFQ--NPTPTP-GPENPAEMNYLILDNVQPLVLESSWYKRLLTFLSGKGHBRWGNF 177
Qy 181 EVWLEQATEIVKEW 194

RESULT 4
US-08-189-837-9
Sequence 9, Application US/08318837
Patent No. 5981277
GENERAL INFORMATION:
APPLICANT: FRANSSEN, LUCIA; DEVOS, KATHLEEN; VAN DE VOORDE,
APPLICANT: ANDRE; VAN HEUERSWYN, HUGO
TITLE OF INVENTION: NEW POLYPEPTIDES AND PEPTIDES, NUCLEIC ACID
TITLE OF INVENTION: CODING FOR THEM, AND THEIR USE IN THE FIELD OF TUMOR THERAPY OR
TITLE OF INVENTION: IMMUNOLOGY
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN AND MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIAN TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,837
FILING DATE: 13-OCT-1994
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP 93/01022
FILING DATE: 28-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 92-401-231-3
FILING DATE: 30-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 311 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-837-9

Query Match 8.8%; Score 87.5; DB 2; Length 311;
Best Local Similarity 27.1%; Pred. No. 0.5%;
Matches 45; Conservative 21; Mismatches 59; Indels 41; Gaps 11;
Qy 53 KIPRKQENANAVL---LELLEDTDWSAIPSEVQ---GKGGVVWVVKPQNQDTEFL 103
Db 109 KFRDSSGANTIVLEKTGEGLV-RDTRGEPCQVQFSLEQGGLF--VEATPQQDIS--R 163
Qy 104 RINLFLKEEGTSGMFRALGQEALSPATPVCPISPELLAHLLG-----QAMAHAPQ 154
Db 164 RTGFF--QYELMSGQ-RGLDLHVLSAPCRPCSDTEVLLAICTSDDFTVRGFLBEDVTHVPE 219
Qy 155 PLPMRY-----RKLURVFGSAAVPAPEESEFVWLEQATEIVK 192
Db 220 QQVSVTLYRNFLRQRKSRFQ---PAPEDSGH-WLGHYTLLQ 259

RESULT 5
US-09-549-016-10853
Sequence 10853, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:

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OM protein - protein search, using sw mode1

Run on: August 26, 2005, 16:35:24 ; Search time 14.704 Seconds
 (without alignments) 989.972 Million cell updates/sec

Title: US-10-037-860-7

Perfect score: 996

Sequence: 1 PLALLEDWCRIMSVDEQKSL.....EEESPEVWLEQATEIVKENP 195

Scoring table: BLOSUM62

Gapop: 10.0 , Gapext: 0.5

Searched: 512545 seqs, 74644064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0*

Maximum Match 100*

Listing first 45 summaries

Database : Issued_Patents_AA:*

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2: /cgcn2_6_ptodata/1/iaa/5B_COMBO.pep:*

3: /cgcn2_6_ptodata/1/iaa/5A_COMBO.pep:*

4: /cgcn2_6_ptodata/1/iaa/6B_COMBO.pep:*

5: /cgcn2_6_ptodata/1/iaa/PTUS_COMBO.pep:*

6: /cgcn2_6_ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	996	100.0	195	3	US-09-189-527-7	Sequence 7 , Appli
2	443.5	44.5	462	3	US-09-189-527-13	Sequence 13 , Appli
3	441	44.3	329	3	US-09-189-527-4	Sequence 4 , Appli
4	87.5	8.8	311	2	US-08-318-837-9	Sequence 9 , Appli
5	87.5	8.8	3838	4	US-09-949-016-10853	Sequence 10853 , A
6	84.5	8.5	520	4	US-09-792-024-121	Sequence 12 , Appli
7	84	8.5	527	4	US-09-248-796A-15917	Sequence 15917 , A
8	84	8.4	612	4	US-09-902-540-13545	Sequence 13545 , A
9	82.5	8.3	547	4	US-09-134-00C-5974	Sequence 5974 , Ap
10	81.5	8.2	285	4	US-09-248-796A-16474	Sequence 16474 , A
11	81.5	8.2	580	4	US-09-328-352-7656	Sequence 7656 , Ap
12	81	8.1	1442	4	US-09-902-540-9777	Sequence 9777 , Ap
13	80.5	8.1	136	4	US-09-252-991A-31474	Sequence 31474 , A
14	80.5	8.1	270	2	US-08-852-743-5	Sequence 5 , Appli
15	80.5	8.1	270	3	US-09-185-370-5	Sequence 5 , Appli
16	80.5	8.1	385	4	US-09-971-020A-3	Sequence 3 , Appli
17	80.5	8.1	487	2	US-08-712-709-8	Sequence 8 , Appli
18	80.5	8.1	487	3	US-09-111-144-8	Sequence 8 , Appli
19	80.5	8.1	487	3	US-09-541-228-8	Sequence 8 , Appli
20	80	8.0	375	4	US-09-328-352-7783	Sequence 7783 , Appli
21	80	8.0	430	4	US-09-99-016-10720	Sequence 10720 , A
22	79	7.9	258	4	US-09-252-991A-24184	Sequence 4 , Appli
23	78.5	7.9	316	4	US-08-403-634-4	Sequence 3 , Appli
24	78.5	7.9	316	1	US-08-403-634-31	Sequence 4 , Appli
25	78.5	7.9	316	3	US-08-913-441B-4	Sequence 31 , Appli
26	78.5	7.9	316	3	US-08-913-441B-31	Sequence 4 , Appli
27	78.5	7.9	316	4	US-09-571-985C-4	Sequence 193 , App

ALIGNMENTS

RESULT 1

US-09-189-527-7

; Sequence 7 , Application US/09189527A

; Patent No. 6387639

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Joseph O. Dalman

; APPLICANT: Myrna R. Rosenfeld

; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; TITLE OF INVENTION: Antibodies

; FILE REFERENCE: SUK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

; CURRENT FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO: 7

; LENGTH: 195

; TYPE: PRT

; ORGANISM: homo sapiens

US-09-189-527-7

Query Match 100.0%; Score 996; DB 3; Length 195;

Best Local Similarity 100.0%; Pred. No. 1.8e-38;

Matches 195; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PLAILLEDWCRIMSVDEQKSLMTYQDPEEAEIQVLOQETIKSGLGRYLLGKIFRQEN 60

Db 1 PLAILLEDWCRIMSVDEQKSLMTYQDPEEAEIQVLOQETIKSGLGRYLLGKIFRQEN 60

Qy 61 ANAVLLELIEDTDVAIPSEVOGKGWVKVTFPNQDTEFLNLFLKEQGTVSQMF 120

Db 61 ANAVLLELIEDTDVAIPSEVOGKGWVKVTFPNQDTEFLNLFLKEQGTVSQMF 120

Qy 121 RAIGQEALSPATVPCISPELLAHLLGQMAHAPQPLIPMRYTKLRLFVGSAVAPERESF 180

Db 121 RAIGQEALSPATVPCISPELLAHLLGQMAHAPQPLIPMRYTKLRLFVGSAVAPERESF 180

Qy 181 EWLEQATEIVKEWP 195

Db 181 EWLEQATEIVKEWP 195

Qy 181 EWLEQATEIVKEWP 195

RESULT 2

US-09-189-527-13

; Sequence 13 , Application US/09189527A

; General Information:

; APPLICANT: Jerome B. Posner

; APPLICANT: Joseph O. Dalman

; APPLICANT: Myrna R. Rosenfeld

TYPE: PRT
ORGANISM: Homo sapiens
US-10-037-860-4-A-74

Query Match 50.6%; Score 874.5; DB 10; Length 312;
Best Local Similarity 55.9%; Pred. No. 1..1e-76;
Matches 175; Conservative 53; Mismatches 78; Indels 7; Gaps 5;

Qy 1 MANTILLEDICRGMDVNSQFTLLWGIPIVNCDAEETTLQAAAM-PQVSYRMIGRMFRE 59
Db 1 MTRILLEDICRGMDMNPRAKALLAGISOSCSVATEALQAGLAPGEYRLGRMFRE 60

Qy 60 NAKALLELTGAVDYAAI PREMPGKGYYWKVLFKPKPTSDAEFLERLHLFLAREGWTVQDV 119
Db 61 NRKVALVGAETTSHALVEKEIPKGIGIWVRFKPDDNTFSURNBFLACEBGMVTGE 120

Qy 120 ARVIGFQNPPTP - PPEPAEMNYLDNVIQPLVESIWKRLTFSKGKGHPRAWRG 175
Db 121 SRALGHENSSLDPQGM1PEMWAPMLAQUE - ALQPALQCLCKYKURVSGRESPEFEE 179

Qy 176 NDFDWLEHTNEVLEEWQNSDVERRRRLMESLRGPAADVTRILKSNNPAITTACLKALEQ 235
Db 180 EFGRMFMHTTOMIKAWQDVFVERRRLLESLRGPALDVTRVLKINPLITVDECLQLE 239

Qy 236 VFGSVESSSDAOIQLFLNTYQNPGEKLSAYVIRLEPLIQLQVKVKGAIKDNDVNQARLQVI 295
Db 240 VFGVTDNPBLQVQLTQDKEBKLSAYVIRLEPLIQLVORGAIERDADVNQARLQVI 299

Qy 296 AGAHSGAIRROL 308
Db 300 AGAVHK-TIRREL 311

RESULT 14
US-10-504-329-3
Sequence 3, Application US/10504329
Publication No. US20050106569A1.
GENERAL INFORMATION:
APPLICANT: Evotec NeuroSciences GmbH
TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
FILE REFERENCE: 030475wo ME/BM
CURRENT APPLICATION NUMBER: US/10/504,329
NUMBER OF SEQ ID NO: 15
SEQ ID NO 3
LENGTH: 364
TYPE: PRT
ORGANISM: Homo sapiens
US-10-504-329-3

Query Match 44.6%; Score 770.5; DB 17; Length 364;
Best Local Similarity 47.6%; Pred. No. 2..1e-66;
Matches 158; Conservative 65; Mismatches 96; Indels 13; Gaps 5;

Qy 1 MANTILLEDICRGMDVNSQFTLLWGIPIVNCDAEETTLQAAAM-PQVSYRMIGRMFRE 59
Db 1 MTRILLEDICRMSVDEQSLMTGIPADEEAEIQLQEVTLFLEREQTVQKOE 60

Qy 60 NAKALLELTGAVDYAAI PREMPGKGYYWKVLFKPKPTSDAEFLERLHLFLAREGWTVQDV 119
Db 61 NANAVLLELEDTDSVAI SEVQKGIGWVVI FKTPNQDTEFLERLNFLEREQTVQGM 120

Qy 120 ARVIGFQNPPTP --- GPEPAEMNYLDNVIQPLVESIWKRLTFSKGKGHPRAWRG 175
Db 121 FRALGQEGSPATPCISSEPLLHLLGQMAHAQFQLU - PMRTRKLVRSGSVAPEEE 179

Qy 176 NDFDWLEHTNEVLEEWQNSDVERRRRLMESLRGPAADVTRILKSNNPAITTACLKALEQ 235
Db 180 SPETWLEQATEIVKWPVTEAKRMLAESLRGPALDVTRVLKINPLITVDECLQLE 239

Qy 236 VFGSVESSSDAOIQLFLNTYQNPGEKLSAYVIRLEPLIQLVORGAIERDADVNQARLQVI 295

Db 240 VFGSLEESRTAQVRYLKTQBEGERKVSAYVRLTETLRRAVEKRAI PRRIADQVRLEQVM 299

Qy 296 AGAHSGAIRROLWL---TGAGEGPCKPSV 324
Db 300 AGA---TLNQNLWCRLLRELKDQGPSPFEL 327

RESULT 15
US-10-037-860-13
Sequence 13, Application US/10037860
Publication No. US2012311A1
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfield
TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 2581..1004-004
CURRENT APPLICATION NUMBER: US/10/037, 860
CURRENT FILING DATE: 2001-01-04
PRIORITY APPLICATION NUMBER: 09/189, 527
PRIORITY FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 463
TYPE: PRT
ORGANISM: homo sapiens
US-10-037-860-13

Query Match 44.3%; Score 766.5; DB 13; Length 463;
Best Local Similarity 50.2%; Pred. No. 7.4e-66;
Matches 157; Conservative 50; Mismatches 103; Indexes 3; Gaps 2;

Qy 1 MAMTLLLEDWCRMDVNSQRTLLWVGIPVNCDBAETTLOAMPQVS-YRMIGRMTREE 59
Db 1 MPULLQDWCRGEHUNTRCMILGIPEDCGBEDPEBTQEAHRUGRVIGMRREE 60

Qy 60 NAKAALIELTGTADYAAI PREMPGKGYYWKVLFKPKPTSDAEFLERLHLFLAREGWTVQDV 119
Db 61 NQAQILIELAQQDYLALLPREPGKGSPWETVVKPNSDGFLNTRNRFLEERRTVSDM 120

Qy 120 ARVLFQNPPTPQGPMPAEMLY - ILDNVIQPVINESIWKRLTLSFGKGHPRAWRGNF 177
Db 121 NRVLGSIDTNCASPVITISPEFWTAOTLGAAVPLIEQMLTRELFSGNNTISIPGALAF 180

Qy 178 DWPLEHTNEVLEEWQNSDVERRRRLMESLRGPAADVTRILKSNNPAITTACLKALEQF 237
Db 181 DAWLHTTEMLOMWWOPEGEGRRLNECLRSPALQVSGRLRASNASTVEECLAAQQVF 240

Qy 238 GSVESSSDAOIQLFLNTYQNPGEKLSAYVIRLEPLIQLVORGAIERDADVNQARLQVI 297
Db 241 GPVESHKIAQVQLCKAYQEAGEKVSSFVRLDPLLQRAVENNNVSRVNRVQTRLKVLSG 300

Qy 298 ANHSGAIRROLW 310
Db 301 ATLPDKURDKD 313

Search completed: August 26, 2005, 17:21:25
Job time : 89.4087 secs

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Qy 60 NAKALLEITGAVDAAIPREMPKGKGYWKVLFKPPTSDAEFLERLHLFLAREGWTYQDV 119
 Db 61 NRKVALVGITAETSHALVKEIPKPGGIWVRVKPDDNTFSRLNEFLAGMTVGEI 120
 Qy 120 ARVLGFONFT--PTPG--PEMPAEMLNLYTLDNYIQPLVESTIVYKRILTSFGKGHPRAWRG 175
 Db 121 SRALGHENGSLDPEQGMTPMMAPLMAQLE-AQPALQCLKYKGRVSGRESPEFGE 179

Qy 176 NFDPWLEHTNEVLEEWQSDVEKRRLMESLRPAADVTRILKSNNPAITTAECIKAQ 235
 Db 180 EFRGMFHITOMIKAWQVDPVEKRRLLSRLREPALLYTRVLKINNPLTVDECLQALE 239

Qy 236 VFGSVESSRDAQIKFLNTYQNPGBEKLSSAYVIRLEPLQKVERGAIKDKNVNQARLBQVI 295
 Db 240 VFGUTDNPNELQVQLTYQKDEBKLSAYVIRLEPLQKVERGAIKDKNVNQARLBQVI 299

Qy 296 AGANHSGAIRROLWLTAEGEGPG 318
 Db 300 AGAVHK-TIRRELNLPEDGPAG 321

RESULT 10
 US-10-341-434-10
 ; Sequence 10, Application US/10341434
 ; Publication No. US2003015835A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Origene Technologies
 ; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
 ; CURRENT APPLICATION NUMBER: US/10/341,434
 ; CURRENT FILING DATE: 2003-07-18
 ; FILE REFERENCE: 9U 204 205 R1
 ; PRIORITY NUMBER: US 60/348,164
 ; PRIORITY FILING DATE: 2002-01-15
 ; PRIORITY NUMBER: US 60/348,119
 ; PRIORITY FILING DATE: 2002-01-15
 ; NUMBER OF SEQ ID NOS: 238
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 10
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-341-434-10

Query Match 51.3%; Score 887.5; DB 15; Length 351;
 Best Local Similarity 55.4%; Mismatches 84; Indels 7; Gaps 5;

Matches 179; Conservative 53; Score 887.5; DB 15; Length 351;
 Best Local Similarity 55.4%; Mismatches 84; Indels 7; Gaps 5;

Qy 1 MAMTLIEDWCRGMDVNSORTLILWGPVNCDAEIEETLQOAM-POVSYMLGRMFREE 59
 Db 1 MTLRLIEDWCRGMNDMPRKALLIAGQSQSCSVAEELQAGLAPBGRLLGRMFRDE 60

Qy 60 NAKAALEITGAVDAAIPREMPKGKGYWKVLFKPPTSDAEFLERLHLFLAREGWTYQDV 119
 Db 61 NRKVALVGITAETSHALVKEIPKPGGIWVRVKPDDNTFSRLNEFLAGMTVGEI 120

Qy 120 ARVLGFONPT--PTPG--PEMPAEMLNLYTLDNYIQPLVESTIVYKRILTSFGKGHPRAWRG 175
 Db 121 SRALGHENGSLDPEQGMTPMMAPLMAQLE-AQPALQCLKYKGRVSGRESPEFGE 179

Qy 176 NFDPWLEHTNEVLEEWQSDVEKRRLMESLRPAADVTRILKSNNPAITTAECIKAQ 235
 Db 180 EFRGMFHITOMIKAWQVDPVEKRRLLSRLREPALLYTRVLKINNPLTVDECLQALE 239

RESULT 11
 US-11-048-692-1
 ; Sequence 1, Application US/11048692
 ; Publication No. US20050123990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lal, Preeti; YUE, Henry
 ; APPLICANT: TANG, Y.; Tom; BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil; AZIMZAI, Valda
 ; APPLICANT: BAUGHN, Mariah R.; LU, Dzung Aina M.
 ; APPLICANT: PATTERSON, Chandra
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; CURRENT APPLICATION NUMBER: US/11/048,692
 ; CURRENT FILING DATE: 2005-07-18
 ; FILE REFERENCE: 9U 204 205 R1
 ; PRIORITY NUMBER: US 60/599,680
 ; PRIORITY FILING DATE: 2005-07-18
 ; NUMBER OF SEQ ID NOS: 238
 ; SOFTWARE: Perl Program
 ; SEQ ID NO 1
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
 ; US-09-969-680A-1

Query Match 51.3%; Score 887.5; DB 10; Length 351;
 Best Local Similarity 55.4%; Mismatches 53; Indels 7; Gaps 5;

Matches 179; Conservative 53; Score 887.5; DB 10; Length 351;
 Best Local Similarity 55.4%; Mismatches 53; Indels 7; Gaps 5;

Qy 1 MAMTLIEDWCRGMDVNSORTLILWGPVNCDAEIEETLQOAM-POVSYMLGRMFREE 59
 Db 1 MTLRLIEDWCRGMNDMPRKALLIAGQSQSCSVAEELQAGLAPBGRLLGRMFRDE 60

Qy 60 NAKALLEITGAVDAAIPREMPKGKGYWKVLFKPPTSDAEFLERLHLFLAREGWTYQDV 119
 Db 61 NRKVALVGITAETSHALVKEIPKPGGIWVRVKPDDNTFSRLNEFLAGMTVGEI 120

Qy 120 ARVLGFONFT--PTPG--PEMPAEMLNLYTLDNYIQPLVESTIVYKRILTSFGKGHPRAWRG 175
 Db 121 SRALGHENGSLDPEQGMTPMMAPLMAQLE-AQPALQCLKYKGRVSGRESPEFGE 179

Qy 176 NFDPWLEHTNEVLEEWQSDVEKRRLMESLRPAADVTRILKSNNPAITTAECIKAQ 235
 Db 180 EFRGMFHITOMIKAWQVDPVEKRRLLSRLREPALLYTRVLKINNPLTVDECLQALE 239

RESULT 12
 US-11-048-692-1
 ; Sequence 1, Application US/11048692
 ; Publication No. US20050123990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lal, Preeti; YUE, Henry
 ; APPLICANT: TANG, Y.; Tom; BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil; AZIMZAI, Valda
 ; APPLICANT: BAUGHN, Mariah R.; LU, Dzung Aina M.
 ; APPLICANT: PATTERSON, Chandra
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; CURRENT APPLICATION NUMBER: US/11/048,692

PRIOR APPLICATION NUMBER: 6/0/189,140
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 6/0/190,401
 PRIOR FILING DATE: 2000-03-17
 PRIOR APPLICATION NUMBER: 6/0/190,231
 PRIOR FILING DATE: 2000-03-17
 NUMBER OF SEQ ID NOS: 75
 SEQ ID NO: 39
 TYPE: PRT
 ORGANISM: Homo sapiens
 US - 09 - 804 - 014A - 39

Query Match 51.3%; Score 887.5; DB 9; Length 351;
 Best Local Similarity 55.4%; Pred. No. 6..9e-78;
 Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

Qy 1 MANTLLEDWCRGMNDVNSORTLLWGPVNCDAEIEETLQAM-PQVSYRMLGRMFRE 59
 Db 1 MTDLLEDWCRGMNDMNPKALLTAGISOSCSVAEIEALQAGLAPLGEYRLGRMFRRDE 60

Qy 60 NAKAALLELTGAVDAAIPREMPGKGGWVKLFPKPTSDAEFLERLFLAREGWTVODV 119
 Db 61 NRKVVALGVLTETSHALVLPKEPKGGWWRVTFKPDPDNTFSLRNLSFLAGGMVTGL 120

Qy 120 ARVLFQFNPT--PTPG--PEMPAEMLNYYLDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
 Db 121 SRALGHENGSLDQEQMIPENWAPMLAQALE ALQPAQCLVKLRLVSGRESPEPGE 179

Qy 1 MANTLLEDWCRGMNDVNSORTLLWGPVNCDAEIEETLQAM-PQVSYRMLGRMFRE 59
 Db 1 MTDLLEDWCRGMNDMNPKALLTAGISOSCSVAEIEALQAGLAPLGEYRLGRMFRRDE 60

Qy 60 NAKAALLELTGAVDAAIPREMPGKGGWVKLFPKPTSDAEFLERLFLAREGWTVODV 119
 Db 61 NRKVVALGVLTETSHALVLPKEPKGGWWRVTFKPDPDNTFSLRNLSFLAGGMVTGL 120

Qy 120 ARVLFQFNPT--PTPG--PEMPAEMLNYYLDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
 Db 121 SRALGHENGSLDQEQMIPENWAPMLAQALE ALQPAQCLVKLRLVSGRESPEPGE 179

Qy 176 NDFPWLHTEVLEWQDVSEKRLMSELGRPADVRILKSNNPATTAELKALEQ 235
 Db 180 EFGRMNFMFTTOMIKAWQPDVEKRLLESIRGPALDVRVLKINPLITVDECIALE 239

Qy 236 VFGSVESSRDAQIKFLANTYQNPGEKLSSAVTRLEPLQKVVEKGAIKDKNVNQARLQVI 295
 Db 240 VFGVTDNPRLQVKLTTQXDEEKLSAVTRLEPLLQKLVQRGAIERRAVNQARLDQVI 299

Qy 296 AGANHSGAIRRQLMTGAEGSPG 318
 Db 300 AGAVHK-TIRRELNLPEDGPAG 321

RESULT 8
 US-09-804-014A-16
 Sequence 16, Application US/09804014A
 Publication No. US20030064489A1
 GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Murulichara
 ; APPLICANT: Vernet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimekets, Richard
 ; APPLICANT: Spederna, Steven
 ; APPLICANT: Maimuder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; CURRENT APPLICATION NUMBER: US/09/804,014A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 15966-721 US
 ; FILE REFERENCE: 15966-721 US
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 16
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-804-014A-16

Query Match 51.3%; Score 887.5; DB 10; Length 351;
 Best Local Similarity 55.4%; Pred. No. 6..9e-78;
 Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

Qy 1 MANTLLEDWCRGMNDVNSORTLLWGPVNCDAEIEETLQAM-PQVSYRMLGRMFRE 59
 Db 1 MTDLLEDWCRGMNDMNPKALLTAGISOSCSVAEIEALQAGLAPLGEYRLGRMFRRDE 60

SEQ ID NO: 1
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
 US-09-965-529-1

Qy 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Db 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Qy 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Qy 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Db 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Qy 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Db 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Qy 301 SGAIRQLWLTTGAGEGPG 318
Db 301 SGAIRQLWLTTGAGEGPG 318
Qy 301 SGAIRQLWLTTGAGEGPG 318
Db 301 SGAIRQLWLTTGAGEGPG 318

RESULT 3
Db Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Valda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dwyng Aina M.
; APPLICANT: PATERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIORITY APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIORITY FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
; US-09-965-529-7

Query Match 92.7% Score 1602; DB 9; Length 353;
Best Local Similarity 96.6%; Pred. No. 7..2e-148;
Matches 308; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Db 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Qy 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Db 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Qy 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Db 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Qy 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Qy 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Db 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Qy 301 SGAIRQLWLTTGAGEGPG 319
Db 301 SGAIRQLWLTTGAGEGPG 319

Query Match 96.4% Score 1666; DB 10; Length 318;
Best Local Similarity 99.7%; Pred. No. 3..3e-154;
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
LOCATION: (20)
OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
OTHER INFORMATION: specification
US-09-804-014A-40

Qy 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Db 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Qy 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Db 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Qy 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Db 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Qy 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Qy 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Db 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Qy 301 SGAIRQLWLTTGAGEGPG 319
Db 301 SGAIRQLWLTTGAGEGPG 319

Query Match 96.4% Score 1666; DB 10; Length 318;
Best Local Similarity 99.7%; Pred. No. 3..3e-154;
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
LOCATION: (20)
OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
OTHER INFORMATION: specification
US-09-804-014A-40

Qy 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Db 1 MANTLLEDWCRGMDDNSORTLLWQGIPNCDAEETLQAMPQSYRMLGRMFREEN 60
Qy 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Db 61 AKAAELLTGTGDAYAA.PREMPKGTYWQKLPPTSDAEFLERLHLFLAREGWTQDVA 120
Qy 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Db 121 RVLGFQNPTPPGPEMPAEMLNLYLDNVIQPLVESIWYKRLLTFLSGKGHPRAWGNFDW 180
Qy 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDEVKRRLMESLRGPAADVIRLTKSNNPAAITAECLKALEQVFGSV 240
Qy 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Db 241 ESSRDAQIKFLANTYONPGEKLSAYVTRPLEQVKEKGAIKDKNVNQARLEQVAGANH 300
Qy 301 SGAIRQLWLTTGAGEGPG 319
Db 301 SGAIRQLWLTTGAGEGPG 319

Result No.	Score	Query Match	Length	DB ID	Description	Summaries
1	1729	100.0	329	13	US-10-037-860-4	Sequence 4, Appli
2	1656	96.4	318	10	US-09-804-014A-40	Sequence 40, Appli
3	1602	92.7	353	9	US-09-965-529-7	Sequence 7, Appli
4	1602	92.7	353	10	US-09-965-680A-7	Sequence 7, Appli
5	1602	92.7	353	20	US-11-048-692-7	Sequence 7, Appli
6	887.5	51.3	321	10	US-09-804-014A-39	Sequence 1, Appli
7	887.5	51.3	351	9	US-09-965-529-1	Sequence 16, Appli
8	887.5	51.3	351	10	US-09-804-014A-16	Sequence 1, Appli
9	887.5	51.3	351	10	US-09-965-680A-1	Sequence 10, Appli
10	887.5	51.3	351	15	US-10-341-434-10	Sequence 1, Appli
11	887.5	51.3	351	20	US-11-048-692-1	Sequence 1, Appli

COMPUTER READABLE FORM:
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/055,097
 FILING DATE: Filed Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerone, Michael C.
 REGISTRATION NUMBER: PF-0490 US
 REFERENCE/DOCKET NUMBER: 39,132
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 845-4166
 TELEFAX: (650) 845-0555
 SEQUENCE CHARACTERISTICS:
 LENGTH: 378 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: DUODN002
 CLONE: 1705085
 US-09-055-097-1

Query Match Score 91.5; DB 2; Length 378;
 Best Local Similarity 23.9%; Pred. No. 0.38; Mismatches 89; Indels 79; Gaps 15;

Matches 61; Conservative 26; Mismatches 89; Indels 79; Gaps 15;

Qy 11 RGMDV-----NSQRTILW---GIPVNCDAEIETLQAMPOYSR----MLGR 53
 Db 101 RGLRYQTFLIGPVAQHP--VWGSQGSOLASESAAQGILQQAFA-QSYRNLTKLTLG 157

Qy 54 MFWRENAKALLETGAVD-YAATPRENP-----GRGGWVKLFKPP-TSDAEFLRL 105
 Db 158 LNWAEKHCPMARYLKTDDVVNVPELVSSELVRGGRWQWERSTEQRERAQEGGQL 217

Qy 106 H-----LFLAREGNTVQDVARVLGFONTPTPGPEMPAEMIYILDNVNTOPLVESIWYK 159
 Db 218 HSBEVPLLYIGRVWRV-----NSRTPEGR-----HRVSEON-- 251

Qy 160 RLTLESGKGHPRAWGNFDWLHNTNEELWQYS---DVEKRRILMESLRGAADYRI 216
 Db 252 -----PHTWGPFPYASCTGYVNLSSASAVQILKVASRAPLL----PLEDVFVG 295

Qy 217 LKSNNPATTAECLK 231

Db 296 VSARRGGGLAPTCVK 310

Search completed: August 26, 2005, 16:50:22
 Job time : 26.8083 secs

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REGISTRATION NUMBER: 28,977
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-241-1300
 TELEX: 248345
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2431 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-08-466-277-2

Query Match 5.3% Score 92.5; DB 3; Length 2431;
 Best Local Similarity 19.6%; Pred. No. 6.4%;
 Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

US-09-688-842-2

Query Match 5.3% Score 92.5; DB 4; Length 2431;
 Best Local Similarity 19.6%; Pred. No. 6.4%;
 Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

Qy 52 GRMFWREENAKAALLELTGAVDYAAIPRMPGKGVWKVLFKPPTSDAEFLRLHFL-- 109
 Db 865 GKMRTTNPCKNPKIPLIDTG-----QTKPKPQDPIVLTFCRGWAKOQLDTRGHEWTA 916
 Qy 110 -AREGWTVQDVARYLGQFQNPPTPTCPPEMAEMYLIDDNVIQPLIVESIWYKRLLTFSKGK 168
 Db 917 AASQQLTRKCVAYVRQKVNENPLYAP--ASEHVAVLFLTRTEDRIV----WKTIA----- 964
 Qy 169 HPRAWRGNTFPWLTBHTNEV-----LEFWQVSDVEKRRRMESLRGPADY----- 213
 Db 965 -----GDPWIKVLNSNPQGNFTATLBEWQ---EEDDKMKVIEGPAVPDAFONKA 1012
 Qy 214 -----IRILKSNNPAITA-----ECLKALEQV----- 236
 Db 1013 NVCWAKSLLPVLDTAGIRLTAEEENSTTAFKEDRAYSPVVALENEICTKYYGVLDLGSFL 1072
 Qy 237 -----FGSVSSSR-DAQIKPLNTYQNPGERLSAVTIRLEPL 271
 Db 1073 SAPKVSLYYENNHWDRNRPGRMYGENAAARLEARHTLKGWHTGKQAVIAERKIQPL 1132
 Qy 272 --LQKVT-----KGAIDKDNYNQARLQEYIAGANHSGAI--RQWMLT 311
 Db 11133 SVLDNVIPINRRLPHALVABYKTVGSRVWLVNKVRGTHLLVSEYNLAPRRRTWLS 1192
 Qy 312 GAGEGPGPKPLSVAGAD 328
 Db 1193 -----PLNTGAD 1200

RESULT 14
 US-09-688-842-2
 ; Sequence 2, Application US/09688842
 ; Patent No. 670253
 ; GENERAL INFORMATION:
 ; APPLICANT: Gaoff, Henrik
 ; Ljebstrom, Peter
 ; TITLE OF INVENTION: DNA Expression Systems Based on
 ; Alphaviruses
 ; NUMBER OF SEQUENCES: 27
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Birch, Stewart, Kolasch & Birch
 ; STREET: P.O. Box 747
 ; CITY: Falls Church
 ; STATE: Virginia
 ; COUNTRY: USA
 ; ZIP: 22040-0747
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #.0, Version #.1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/688,842
 ; FILING DATE: 17-Oct-2000

CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/466,277
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M.
 REGISTRATION NUMBER: 28,977
 REREFERENCE/DOCKET NUMBER: 828-103P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-241-1300
 TELEFAX: 703-241-2848
 TELEX: 248345
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 LENGTH: 2431 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2431 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 Query Match 5.3% Score 92.5; DB 4; Length 2431;
 Best Local Similarity 19.6%; Pred. No. 6.4%;
 Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

Qy 52 GRMFWREENAKAALLELTGAVDYAAIPRMPGKGVWKVLFKPPTSDAEFLRLHFL-- 109
 Db 865 GKMRTTNPCKNPKIPLIDTG-----QTKPKPQDPIVLTFCRGWAKOQLDTRGHEWTA 916
 Qy 110 -AREGWTVQDVARYLGQFQNPPTPTCPPEMAEMYLIDDNVIQPLIVESIWYKRLLTFSKGK 168
 Db 917 AASQQLTRKCVAYVRQKVNENPLYAP--ASEHVAVLFLTRTEDRIV----WKTIA----- 964
 Qy 169 HPRAWRGNTFPWLTBHTNEV-----LEFWQVSDVEKRRRMESLRGPADY----- 213
 Db 965 -----GDPWIKVLNSNPQGNFTATLBEWQ---EEDDKMKVIEGPAVPDAFONKA 1012
 Qy 214 -----IRILKSNNPAITA-----ECLKALEQV----- 236
 Db 1013 NVCWAKSLLPVLDTAGIRLTAEEENSTTAFKEDRAYSPVVALENEICTKYYGVLDLGSFL 1072
 Qy 237 -----FGSVSSSR-DAQIKPLNTYQNPGERLSAVTIRLEPL 271
 Db 1073 SAPKVSLYYENNHWDRNRPGRMYGENAAARLEARHTLKGWHTGKQAVIAERKIQPL 1132
 Qy 272 --LQKVT-----KGAIDKDNYNQARLQEYIAGANHSGAI--RQWMLT 311
 Db 11133 SVLDNVIPINRRLPHALVABYKTVGSRVWLVNKVRGTHLLVSEYNLAPRRRTWLS 1192
 Qy 312 GAGEGPGPKPLSVAGAD 328
 Db 1193 -----PLNTGAD 1200

RESULT 15
 US-09-055-097-1
 Sequence 1, Application US/09055097
 ; Patent No. 5952282
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; Guegler, Karl J.
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Shah, Purvi
 ; APPLICANT: Patterson, Chandra
 ; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94304

RESULT 8
 Db 1289 QKMQAVQAAEGULRQGNIXYEQEAUTR-LLEKNOEQQLRQQ 1332
 US-09-489-039A-12764
 ; Sequence 12764, Application US/09489039A
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; FILE REFERENCE: 2709.200401
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US/09/489,019A
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO: 12764
 ; LENGTH: 288
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-12764

Query Match 5.6%; Score 96; DB 4; Length 272;
 Best Local Similarity 27.5%; Pred. No. 0.07;
 Matches 41; Conservative 21; Mismatches 63; Indels 24; Gaps 5;

Qy 21 LLIWGPVNCDAEIEETLQAMQSYRMGRMFREENAKAL----LELTGAVD 73
 Db 67 LKVAGRPPDADAEKAVRDAGPDKLRLDANGNEEPDAKRALDRGWCYLEL--VE 123

Qy 74 YAMIPREMPGKGCVWVKLFKPPTSDAEEFLHLFLAREGWTQDVARVLGFQNPPTPPG 133
 Db 124 QPPPEDL--AALWVYQRRACTVA-----ADESLASPDALRALLTVDPGLGG 170

Qy 134 PEMPADM-YILDNVIOPLVESTIWYKRL 161
 Db 171 PAVGAVVLUKPMVLGGLPCLVVAMRAARL 199

RESULT 10
 US-09-328-352-6016
 ; Sequence 6016, Application US/09328352
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et. al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 ; FILE REFERENCE: GTC99-03PA
 ; CURRENT APPLICATION NUMBER: US/09/328,352
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 8252
 ; SEQ ID NO: 6016
 ; LENGTH: 573
 ; TYPE: PRT
 ; ORGANISM: Acinetobacter baumannii
 ; US-09-328-352-6016

Query Match 5.4%; Score 93.5; DB 4; Length 573;
 Best Local Similarity 22.0%; Pred. No. 0.46;
 Matches 52; Conservative 25; Mismatches 98; Indels 61; Gaps 5;

Qy 90 VLPKPKTS--DAEFLERLHLFLAREGWTQDVARVLGFQNPPTPPGPPMPAEMLNLYLDN 147
 Db 204 LLIDEPITHLDAESVSMLERFL-----KDFPGTIVAITHDYFLDN 244

Qy 148 VIOPLVESTIWYKRLTFSKGKPHRAWRGNFDPMLEHTNEVLEWQVSDEKEKRR 201
 Db 107 RALLDKVLPREEELKAQQQALMOKBEKDAL---PULK----ZAWOLNQESODIG 155

Qy 202 LMESLRGPADVIRLKNSNNPAITAECIKALEQ--VFGSVESSRDLQIQLINTYQNG 258
 Db 156 LL-----LAETLJALHRSDEAESVLTPLQDQDTHYQGLV----AQIELU-----197

Qy 259 EKL SAYVIRLEPLQKXVERGAIDKDNYAQARLEQVIAHNSGA-----IRRQLWITG 312
 Db 198 -KQADTDPEIQQ-LQQVEQNPEADAQLASQALQH0VGRNEEALLFSLHQKDL--G 252

Qy 313 AGEFGPKPL 322
 Db 253 AGDGARKML 262

Qy 208 GPAADVIRLKNSNNPAITAECIKALQVFGSVESSRDAQIKFLNTYQNPGEKLSAYVIR 267
 Db 295 WVRQNAKQCKQKENKARMERFEELNSR-----FOQRNETSEYIIPP 335

Qy 268 LEPLQKVVEKGAIKDQVNQARLQEYV-----IAGANHSGAIRQMLMTG 312
 Db 336 GPRUQKVEVENISKSFGDRLLYIYENLSFTVPPAAIVGIVPNAGKTTLFRMMTG 391

RESULT 11
 US-09-302-540-15988
 ; Sequence 15988, Application US/09902540
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; Sequence 15988, Application US/09902540
 ; APPLICANT: Hinkle, Gregory J.
 ; Sequence 15988, Application US/09902540
 ; APPLICANT: Slater, Steven C.
 ; Sequence 15988, Application US/09902540
 ; APPLICANT: Wiegand, Roger C.
 ; Sequence 15988, Application US/09902540
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10(15849)B
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 16835
 ; SEQ ID NO: 16406
 ; LENGTH: 272
 ; TYPE: PRT
 ; ORGANISM: Myxococcus xanthus

Patent No. 6495336
 i APPLICANT: Makowski, Lee
 i APPLICANT: Hyman, Paul
 i APPLICANT: Williams, Mark
 i TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
 i FILE REFERENCE: 8471-010-999
 i CURRENT APPLICATION NUMBER: US/09/914,259
 i NUMBER OF SEQ ID NOS: 180
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 25
 i LENGTH: 935
 i TYPE: PRT
 i ORGANISM: Syncaphalastrum racemosum
 i US-09-914-259-25

Query Match 6.0%; Score 103; DB 4; Length 935;
 Best Local Similarity 21.7%; Pred. No. 0.09%;
 Matches 69; Conservative 56; Mismatches 121; Indels 72; Gaps 15;

Qy 16 NSQRTLWVQIPVNCDDEA-BETLQAMPOSYMLGRMNEWREENAKALLEL----- 68
 Qy 17 NSRTLILNCSPSSNEATLSTLRFGARAKSIKNAKV----NADLSPAEKLKKV 351
 Db 297 -TGAYDAAIPREMPGKGWYKVLFKPPTSDAEFLERLHFLAREG-WTVQDVAVLGCFQ 126
 Qy 69 -KSEAUTYQTIVIAALBEGVNWRITGGTVP----- 352 KSEAUTYQTIVIAALBEGVNWRITGGTVP----- EGKWTMDKVKSGDKD 395

RESULT 7
 US-09-949-016-7309
 ; Sequence 7309, Application US/09949016
 ; Patent No. 681239
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 7309
 ; LENGTH: 2600
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-949-016-7309

Query Match 5.8%; Score 99.5; DB 4; Length 2600;
 Best Local Similarity 22.6%; Pred. No. 0.76%;
 Matches 78; Conservative 51; Mismatches 139; Indels 77; Gaps 18;

Qy 1005 WCRGMNDVNSQR-----TLLVNGIPVNCD--ABIEETLQAMPOSYMLGRMFWRBEN 60
 Db 1063 LEAALQALEPROQALLEAALLAERFPQAARIHQGAEGLDEWLPHLELGWKLGLWKA--RREALVQ 1062

Qy 61 AKAALEL---TGAYDAAIPRE-MPGK----- 101 ----FLERLHFLAREGWTIDVQARLGFQNPTPGPENPAEMNY-ILDNVIQBLV 153
 Db 1123 AGRLQREFLHDLDALF---DWLVAQEAGGSCEPLNSLEEDALLAHLRAAALKKEVDORE 1179

Qy 154 ESIWYKRU---TLFSCKGHPPRAWGNFDPMELHT----NELEVWQDVYKRRLME 204
 Db 1180 ED-YARIVAASEALLAADGAELGPGLADEWLPHLELGWKLGLWKA--RREALVQ 1233

RESULT 6
 US-09-368-590-2
 i Sequence 2, Application US/09368590
 i PATENT NO. 6187563
 i GENERAL INFORMATION:
 i APPLICANT: Solimena, Michele
 i TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
 i FILE REFERENCE: 101918-200 (CCR-941)
 i CURRENT APPLICATION NUMBER: US/09/368,590
 i EARLIER APPLICATION NUMBER: 101918-04
 i EARLIER FILING DATE: 1999-08-04
 i NUMBER OF SEQ ID NOS: 8
 i SOFTWARE: FastSEQ for Windows Version 3.0
 i SEQ ID NO 2
 i LENGTH: 2293
 i TYPE: PRT
 i ORGANISM: Human
 i US-09-368-590-2

Query Match 5.8%; Score 100.5; DB 3; Length 2293;
 Best Local Similarity 22.6%; Pred. No. 0.76%;
 Matches 78; Conservative 51; Mismatches 139; Indels 77; Gaps 18;

Qy 9 WCRGMNDVNSQR-----TLLVNGIPVNCD--ABIEETLQAMPOSYMLGRMFWRBEN 60
 Qy 205 S----LRGPAADVIRLKSNNPATTAECLKALEOFGVESRDAQIKFLNTYQNPQ 258
 Db 1234 AHYQFLFR-DUQALVVLRQEMALSAELPVTVEEALKQHRD---FLTTMELSQ 1288
 259 EKLSAYVIRLEPLI-----QKVVEKGAIKDKNVNQARLEQ 293

RESULT 2
US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. DaImau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLR98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 13
; LENGTH: 462
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-189-527-13

Query Match 43.2%; Score 747.5; DB 3; Length 462;

Best Local Similarity 49.8%; Pred. No. 1..7e-73; Mismatches 153; Conservative 49; Indels 3; Gaps 2;

Qy 7 EDWRGRMDVNSQRTRLLVMGIPVNQDEAEETBETLQAAAMPOVS-YRMLGRMFWRENAKAAL 65
Db 1 QDWRGRGEHNLNTRRCMILGQIPEDGEDEFTTFLERLHLFLAREGWTYDQARYLG 60

Qy 66 LEITGADVDAIAIPREMPGKGGWVKVLFKPPTSDAEFLERLHLFLAREGWTYDQARYLG 125
Db 61 LELAQDIDALLPRLPREGKGPWEVIRKERNSDGEFLNRNLNRELDEERRTVSDMRVGS 120

Qy 126 QNPPTPTPGDEMPAELNY--ILDNVIQPLVESIWIYKRUTLFSKGKHPAAWRGNFDPNLEH 183
Db 121. DTNCAPSAPRTISPEFWTWAQTGLAVQPLQEMLYRELARVSNTISIPGALAFAWLEH 180

Qy 184 TNEVLEEWQSVDEVKRRIMESLRGPAADIVIRLKSNPAAITAECIKALEQVFGSVE 243
Db 181. TTEMLOMNVQPEGEKVRRLMECLRGPAQGVSSGRASVASYTVECLAAQQVGPVSH 240

Qy 244 RDAQTKFLNTYQNPGKEKLSSAYVIRLEPLIQKVYEGKAIDKDNYNQARLEQVIGANHSGA 303
Db 241 KIAQVKLCKAYQEAGEKVSFVRLPLEPLIQRAVENNNVSRRNQTRKVLISGATLPDK 300

Qy 304 IRROLWL 310
Db 301. LRDKLKL 307

RESULT 3
US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. DaImau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLR98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-189-527-7

Query Match 25.5%; Score 441; DB 3; Length 195;

Best Local Similarity 46.4%; Pred. No. 3e-40;

Query Match 6.4%; Score 110.5; DB 4; Length 551;

Best Local Similarity 21.5%; Pred. No. 0.0056; Mismatches 71; Conservative 47; Indels 99; Gaps 17;

Qy 60 NAKAALJELTGADVDAIAIPREMPGKGGWVKVLFKPPTSDAEFLERLHLFLAREGWTYDQARYLG 186
Db 81 NVBLGLKEIRATLDRF--NEVSAK-----FAEPMSDAE-MEKL---LAEGQRLQDAI 126

Qy 113 ---GW---TVO-----DVARVIG-----FQNP----TPTPGPE 135

Db 127 DAVNGWEIDRTEEMAPDLRLPGDADYTKLSCGEKERVVALCRILLKRPDLILDEPTNH 186

Qy 136 MPAEML-----NYLDNVIQPLVESIWIYKRUTLFSKGKHPRAWRG 175
Db 187 LDRESVWQLEQALKKEYGTIVCITHDRYFLDNAEWILE-----LDRGEGVP--WKG 236

Qy 176 NFDPWLHNTNEVLEEWQSVDEVKRRIMESLRGPAADIVIRLKSNPAAITAECIKALEQVFGSVE 243
Db 237 NYSSWLEQKQRLEEKSESHRQKTLKREL---ENRASPARKARQAKSKAR-IAAYEE 290

Qy 236 VFGSVESSRDAQIKFLNTYQNPGKEKLSSAYVIRLEPLIQKVYEGKAIDKDNYNQARLEQVFGSVE 294
Db 291 LIINQTOQDRDATEVIIIP---PGPQLGGLWVEAKGIRKAYGDRLLIEDLNFKLPRGGGIVG 347

Qy 295 IAGANHSAIRQOLWLTGAGEGPGPPLSV 324
Db 348 VIGPNGAGKTTLFRMMTGV-EKPDEGELNI 376

RESULT 5
US-09-14-259-25
; Sequence 25, Application US/09914259

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OM protein - protein search, using sw model.

Run on: August 26, 2005, 16:35:24 ; Search time 24.8083 Seconds
 (without alignments)
 989.972 Million cell updates/sec

Title: US-10-037-860-4

Perfect score: 1729

Sequence: 1 MAMTILEDNCRGMDVNSQRT.....LTGAGEGPCKPLSVAGADP 329

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:
 1: /cgcn2_6/ptodata/1/iaa/5A_COMB.pep:/*
 2: /cgcn2_6/ptodata/1/iaa/5B_COMB.pep:/*
 3: /cgcn2_6/ptodata/1/iaa/6A_COMB.pep:/*
 4: /cgcn2_6/ptodata/1/iaa/6B_COMB.pep:/*
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 6: /cgcn2_6/ptodata/1/iaa/backfile1.pep:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	1729	100.0	329	3	US-09-189-527-4	Sequence 4, Appli
2	747.5	43.2	462	3	US-09-189-527-13	Sequence 13, Appli
3	441	25.5	195	3	US-09-189-527-7	Sequence 7, Appli
4	110.5	6.4	551	4	US-09-902-540-16701	Sequence 16701, A
5	100.5	6.0	935	4	US-09-914-259-25	Sequence 25, Appli
6	99.5	5.8	2293	3	US-09-368-590-2	Sequence 2, Appli
7	97.5	5.8	2600	4	US-09-949-016-7309	Sequence 7309, AP
8	97.5	5.6	288	4	US-09-949-039A-112764	Sequence 12764, A
9	95	5.6	272	4	US-09-902-540-16406	Sequence 16406, A
10	93.5	5.4	573	4	US-09-328-352-6016	Sequence 6016, AP
11	92	5.3	2214	4	US-09-902-540-15988	Sequence 15988, A
12	92.5	5.3	2431	1	US-07-920-281C-2	Sequence 2, Appli
13	92.5	5.3	2431	3	US-08-466-277-2	Sequence 2, Appli
14	92.5	5.3	2431	4	US-09-688-842-2	Sequence 2, Appli
15	91.5	5.3	378	2	US-09-055-097-1	Sequence 1, Appli
16	91.5	5.3	378	4	US-09-373-902-1	Sequence 1, Appli
17	91.5	5.3	378	4	US-09-831-630-13	Sequence 13, Appli
18	91.5	5.3	393	4	US-09-949-016-11567	Sequence 11567, A
19	91	5.3	565	4	US-09-543-681A-5919	Sequence 5919, AP
20	90	5.2	688	4	US-09-252-991A-32748	Sequence 32748, A
21	89.5	5.2	880	4	US-09-489-039A-12446	Sequence 12446, A
22	89	5.1	178	4	US-09-489-039A-11551	Sequence 11551, A
23	88.5	5.1	389	4	US-09-252-991A-22006	Sequence 22006, A
24	88.5	5.1	499	4	US-09-902-540-14146	Sequence 14146, A
25	88.5	5.1	4872	4	US-09-424-783-3	Sequence 3, Appli
26	87.5	5.1	588	4	US-09-438-185A-23	Sequence 23, Appli
27	87	5.0	600	3	US-09-212-971-12	Sequence 12, Appli

ALIGNMENTS

RESULT 1
 US-09-189-527-4
 ; Sequence 4, Application US/09189527A
 ; Patent No. 638639
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
 ; TITLE OF INVENTION: Antibodies
 ; FILE REFERENCE: SUK98-01
 ; CURRENT APPLICATION NUMBER: US/09/189,527A
 ; CURRENT FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-09-189-527-4

Query Match 100.0%; Score 1729; DB 3; Length 329;
 Best Local Similarity 100.0%; Pred. No. 3.1e-182;
 Matches 329; Conservative 0; Indels 0; Gaps 0;

Qy	1 MANTILEWCRGMNDVNSORTLLWGWIPNCDEEETEETLQAMPQSYRMLGRMFWRREN 60
Db	1 MANTILEWCRGMNDVNSORTLLWGWIPNCDEEETEETLQAMPQSYRMLGRMFWRREN 60
Qy	61 AKALLELTGTAVDYAA1PREMPKGKGWVKLFPKPTSDAEFLRLHFLARECWTQDVA 120
Db	61 AKALLELTGTAVDYAA1PREMPKGKGWVKLFPKPTSDAEFLRLHFLARECWTQDVA 120
Qy	121 RVGFQNPTPTPGPMPAEMIINYLDNNTQPLVSTINYKRLTLSKGKHPRAWGNFDPW 180
Db	121 RVGFQNPTPTPGPMPAEMIINYLDNNTQPLVSTINYKRLTLSKGKHPRAWGNFDPW 180
Qy	181 LEHTNEVLEEWQVSDEVEKRRLMESLRCPAADYVIRLKSNNPAAITAECLKALEQVFGSV 240
Db	181 LEHTNEVLEEWQVSDEVEKRRLMESLRCPAADYVIRLKSNNPAAITAECLKALEQVFGSV 240
Qy	241 ESSRDAQIKFLNTYQNPGKEKLSSAYTRBLPLQKVKEGAIKDNDVNARLVEQVAGANH 300
Db	241 ESSRDAQIKFLNTYQNPGKEKLSSAYTRBLPLQKVKEGAIKDNDVNARLVEQVAGANH 300
Qy	301 SGAIRQLWLTGAGEGPGPCKPLSVAGADP 329
Db	301 SGAIRQLWLTGAGEGPGPCKPLSVAGADP 329

9 QHIIFRITGVKRMMSKLAFREAE-----RKLQEQQLALELKUKSD

RESULT 12
US-09-902-540-9777
Sequence 9777, Application US/09902540
Patent No. 693347

GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

FILE REFERENCE: 38:10(15849)B

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: US/09/902,540

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825

SEQ ID NO 9777
LENGTH: 1442
TYPE: PRT

ORGANISM: Myxococcus xanthus
US-09-902-540-9777

RESULT 13
US-09-252-991A-31474
Sequence 31474, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITIUS OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 101196-136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 31474
LENGTH: 136
TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31474

RESULT 14
US-08-852-743-5
Sequence 5, Application US/08852743
Patent No. 5830699

GENERAL INFORMATION:
APPLICANT: Force, Thomas
APPLICANT: Kyriakis, John M.
APPLICANT: Pombo, Celia M.

TITLE OF INVENTION: SOK-1 AND METHODS OF USE
NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/852,743
FILING DATE: 7-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/016,774
FILING DATE: 7-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00786/327001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-8906
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 270 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-852-743-5

Query Match Score 81; DB 4; Length 1442;
Best Local Similarity 24.5%; Prod. No. 26;
Matches 56; Conservative 32; Mismatches 69; Indels 72; Gaps 15;

Qy 2 LALLEDWCR-----IMSDDEOKSLMTGQI-----PADEEEAIQEVILQET 41
Db 671 LALRKRFERSFDLQQAATEDGILSSTGEQSFLPLAEIFDLHPDVEELVQAVIQAP 730

Qy 42 L-----KSLGRYLLG--KIFRQOANAVNLLEFLPDVSATPEY----QK 84
Db 731 IFGTRFRWATRSLSLALHMMGGKRVAPNLQRARS---EDILASVPEQVGCDNHGG 784

Qy 85 GGYWKVTKTPNQD--TFLERLNLFKEGOTVSGMTR----GCAEALSPATVPCIS 137
Db 785 GDI----ELPDPBLPTQIMDD---CLREAMDVDGIREVLGMRDRERIRLARDV--E 833

Qy 138 PELLALHIGQAMAHAPOLI----LPKMYRKLR-VFSSAVAPPEEFS 180
Db 834 PSLFAH----AMTHS-QCYTFELDDAPAPERVRNALRAMPDAEDVTPAF 877

RESULT 15
US-08-852-743-5
Sequence 5, Application US/08852743
Patent No. 5830699

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITIUS OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 101196-136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 31474
LENGTH: 136
TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31474

Query Match Score 80.5%; DB 4; Length 136;
Best Local Similarity 21.6%; Prod. No. 0.92;
Matches 24; Mismatches 48; Indels 77; Gaps 9;

Qy 2 LALLEDWCR-----IMSDDEOKSLMTGQI-----PADEEEAIQEVILQET 41
Db 73 LWIVMEYCGASSVSDIRLRNKT-----TEDIATLQSLKGLEYLHFMRXKIH 123

Query Match Score 81.1%; DB 2; Length 270;
Best Local Similarity 22.0%; Prod. No. 2.5%;
Matches 44; Conservative 26; Mismatches 85; Indels 45; Gaps 6

Qy 57 KOENANAVLLELEDTDVSAIPSEVQGGYWKVFKTPNQDTEFLRNLFLEKEQTY 116
Db 124 DIKAGNLT-----NTEGHAKLADFGVAGOLTDMWAKRN-----TV 159

Qy 117 SGMPRALGQEALSPATVPCISPELLAHJLGQAMAHAPQP--LLPMRYRKLRVFGSGAVP 173
 ; Sequence 5, Application US/09185370
 ; Patent No. 6093560
 ; GENERAL INFORMATION:
 ; APPLICANT: Force, Thomas
 ; APPLICANT: Kyriakis, John M.
 ; APPLICANT: Pombo, Celia M.
 ; APPLICANT: Bonventre, Joseph
 ; TITLE OF INVENTION: SOR-1 AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson, P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/185,370
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/852,743
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fraser, Janis K.
 ; REGISTRATION NUMBER: 34,819
 ; REFERENCE/DOCKET NUMBER: 00786/327001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 270 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-185-370-5

RESULT 15
 US-09-185-370-5
 ; Sequence 5, Application US/09185370
 ; Patent No. 6093560
 ; GENERAL INFORMATION:
 ; APPLICANT: Force, Thomas
 ; APPLICANT: Kyriakis, John M.
 ; APPLICANT: Pombo, Celia M.
 ; APPLICANT: Bonventre, Joseph
 ; TITLE OF INVENTION: SOR-1 AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson, P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/185,370
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/852,743
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fraser, Janis K.
 ; REGISTRATION NUMBER: 34,819
 ; REFERENCE/DOCKET NUMBER: 00786/327001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 270 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-185-370-5

Query Match 8.1%; Score 80 5; DB 3; Length 270;
 Best Local Similarity 22.0%; Pred. No. 2.5; Mismatches 26; Indels 45; Gaps 6;
 Matches 44; Conservative

Qy 2 LALLEEDWCRIMSYDE----QKSLMVTGIPADFFRERAEIQEVLYKTSIIGRYRLIGKLF 56
 ; : : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 73 LWIVMEYCGAGGSVDIIRLNRNKL-----TEDEATIQLGSTLKGLEYLHFMRK1HR 123

Qy 57 KQENANAVTLEELLEDTDVSAIPSEVQKGKGVWKVTFKTNQDFTEFLRNLNFLKEGOTV 116
 ; : : | :
 Db 124 DIKAGNILL-----NTEGSHAKLADEFGYVQGLIDTMARN-----TV 159

Qy 117 SGMPRALGQEALSPATVPCISPELLAHJLGQAMAHAPQP--LLPMRYRKLRVFGSGAVP 173
 ; : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : |
 Db 160 IGTPFWMAPEVIEQEGYNCAIDIWSLGLITAIEMAEGRKPYADIHMPR---AIFMIPINP 215

Qy 174 APEEEESFEYVWLEQATEIVKE 193
 ; : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : |

Db 216 PPTRFRKPELWSDNFTDFVVKQ 235

Search completed: August 26, 2005, 16:50:23
 Job time : 15.704 secs

Result No.	Score	Query Match	Length	DB ID	Description
SUMMARIES					
-	-	-	-	-	-
1	996	100.0	195	13	US-10-037-860-7
2	982	98.6	364	17	US-10-037-860-7
3	604	60.6	120	10	US-09-804-014A-39
4	593	59.5	283	13	US-10-037-860-42
5	466	46.8	353	9	US-09-965-539-1
6	466	46.8	353	10	US-09-965-539-1
7	466	46.8	353	20	US-11-048-692-7
8	462.5	46.4	463	13	US-10-037-860-13
9	441	44.3	329	13	US-10-037-860-4
10	440	44.2	318	10	US-09-804-014A-40
11	436	43.8	312	10	US-09-804-014A-74
12	436	43.8	321	10	US-09-804-014A-39
13	436	43.8	351	9	US-09-965-539-1
14	436	43.8	351	10	US-09-804-014A-16
15	436	43.8	351	8	US-09-965-539-1
16	436	43.8	351	15	US-10-034-134-10
17	436	43.8	351	20	US-11-048-692-1
18	436	43.8	351	16	US-10-0408-765A-2385
19	434	43.6	452	16	US-10-0408-765A-2385
20	434	34.6	399	15	US-10-094-479-1978
21	327.5	32.9	204	14	US-10-029-386-33747
22	306	30.7	120	10	US-09-804-014A-41
23	270	27.1	116	9	US-09-884-761-34645
24	146	14.7	538	16	US-10-408-765A-2392
25	137.5	13.7	584	15	US-10-291-172-355
26	137.5	13.8	584	15	US-10-221-278-355
27	99.5	10.0	403	15	US-10-094-166-38
28	97.5	9.8	402	17	US-10-959-539-26
29	92.5	9.3	337	15	US-10-196-115-1208
30	89	8.9	342	13	US-10-001-857-201
31	87.5	8.8	255	13	US-10-087-192-213
32	87.5	8.8	311	10	US-09-727-100-1
33	87.5	8.8	1357	15	US-10-295-027-1199
34	87.5	8.8	3830	16	US-10-723-960-2668
35	87.5	8.8	3859	16	US-10-408-765A-554
36	86	8.6	792	16	US-10-739-330-594
37	86	8.6	1083	15	US-10-369-493-4443
38	86	8.6	1083	15	US-10-369-493-7022
39	86	8.6	1084	15	US-10-282-122A-19912
40	85.5	8.6	407	15	US-10-369-493-19903
41	84.5	8.5	520	9	US-09-213-678-2
42	84.5	8.5	520	14	US-10-032-685-7035
43	84.5	8.5	520	17	US-10-882-104-121
44	84	8.4	336	9	US-09-745-763-17
45	84	8.4	1638	13	US-10-090-458-2
ALIGNMENTS					
RESULT 1					
US-10-037-860-7					
; Sequence 7, Application US/10037860					
; Publication No. US20020123114A1					
; GENERAL INFORMATION:					
; APPLICANT: Jerome B. Posner					
; ATTORNEY: Joseph O. Dalmat					
; APPLICANT: Myrna R. Rosenfeld					
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma					
; TITLE OF INVENTION: ANTIBODIES					
; FILE REFERENCE: 2581_1004-004					
; CURRENT APPLICATION NUMBER: US/10/037,860					
; PRIORITY FILING DATE: 2001-01-04					
; PRIOR FILING DATE: 1998-11-10					
; NUMBER OF SEQ ID NOS: 14					
; SOFTWARE: FASTSEQ For Windows Version 4.0					
; SEQ ID NO: 7					
; LENGTH: 195					
; TYPE: PRT					
; ORGANISM: homo sapiens					
; US-10-037-860-7					
; Query Match					
; Best Local Similarity 100.0%; Pred. No. 5.2e-0;					
; Mismatches 0; Indels 0; Gaps 0;					
; PMAILEDRCRMSVDEQXSLAVTGPADFEAEIQVLYQETLKSGLYRLGKIFRKQEN 6.0					
; Qy 1					
; Db 1					
; PMAILEDRCRMSVDEQXSLAVTGPADFEAEIQVLYQETLKSGLYRLGKIFRKQEN 6.0					
; Qy 61					
; Db 61					
; ANAVLLELEDTDVSATPSEVOGKGGWVKIPFKTPNQDTEFLRLNLFLEKEGQTSGMF 120					
; Qy 9					
; Db 9					
; ANAVLLELEDTDVSATPSEVOGKGGWVKIPFKTPNQDTEFLRLNLFLEKEGQTSGMF 120					
; Qy 10					
; Db 10					
; ANAVLLELEDTDVSATPSEVOGKGGWVKIPFKTPNQDTEFLRLNLFLEKEGQTSGMF 120					
; Qy 11					
; Db 11					

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 2
 US-10-504-329-3
 / Sequence 3, Application US/10504329
 / PUBLICATION NO. US20050106569A1
 / GENERAL INFORMATION:
 / APPLICANT: Evotec NeuroSciences GmbH
 / TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
 / TITLE OF INVENTION: antigens for neurodegenerative diseases
 / FILE REFERENCE: 030415wo ME/BM
 / CURRENT FILING DATE: 2004-08-25
 / NUMBER OF SEQ ID NOS: 15
 / SOFTWARE: PatentIn ver. 2.1
 / SEQ ID NO 3
 / LENGTH: 364
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-10-504-329-3

Query Match 98.6%; Score 982; DB 17; Length 364;
 Best Local Similarity 99.0%; Pred: No. 3.3e-90;
 Matches 192; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LALLEWDWRIMSVDEOKSLSMVTGIPADFEAEIQVLOQTLSGRYRLGKIFRKQENA 61
 Db 3 LALLEWDWRIMSVDEQKSLSMVTGIPADFEAEIQVLOQTLSGRYRLGKIFRKQENA 62

Qy 62 NAVILLELEDTDVSAIPSEVQKGWVKVIFKTPNQDTEFLERLNFLKEGQTVSGMFR 121
 Db 63 NAVILLELEDTDVSAIPSEVQKGWVKVIFKTPNQDTEFLERLNFLKEGQTVSGMFR 122

Qy 122 ALGOEARLSPATVPCISPELLAHLLQAMAHAPQLPMLPMYRKURFSGSAVPEEESE 181
 Db 123 ALGQBECVSATVPCISPELLAHLLQAMAHAPQLPMLPMYRKURFSGSAVPEEESE 182

Qy 182 VVLEQATEIVKEMP 195
 Db 183 VVLEQATEIVKEMP 196

RESULT 4
 US-10-037-860-11
 / Sequence 11, Application US/10037860
 / Publication No. US20020123114A1
 / GENERAL INFORMATION:
 / APPLICANT: Jerome B. Posner
 / APPLICANT: Myrna R. Rosenfeld
 / TITLE OF INVENTION: Ma Family POLYPEPTIDES AND ANTI-Ma
 / TITLE OF INVENTION: ANTIBODIES
 / FILE REFERENCE: 2581, 1004-004
 / CURRENT APPLICATION NUMBER: US/10/037, 860
 / CURRENT FILING DATE: 2001-01-04
 / PRIOR APPLICATION NUMBER: 09/189, 527
 / PRIOR FILING DATE: 1998-11-10
 / NUMBER OF SEQ ID NOS: 14
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO 11
 / LENGTH: 283
 / TYPE: PRT
 / ORGANISM: homo sapiens
 US-10-037-860-11

Query Match 59.5%; Score 593; DB 13; Length 283;
 Best Local Similarity 98.3%; Pred: No. 4.1e-51;
 Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 81 VQGKGWVKVIFKTPNQDTEFLERLNFLKEGQTVSGMFRALGQEAISPATVPCISPEL 140
 Db 1 VQGKGWVKVIFKTPNQDTEFLERLNFLKEGQTVSGMFRALGQEAISPATVPCISPEL 60

Qy 141 LAHLLQAMAHAPQLPMLPMYRKURFSGSAVPEEESEFWLEQATEIVKEMP 195
 Db 61 LAHLLQAMAHAPQLPMLPMYRKURFSGSAVPEEESEFWLEQATEIVKEMP 115

RESULT 5
 US-09-804-014A-42
 / Sequence 42, Application US/09804014A
 / Publication No. US20030064489A1
 / GENERAL INFORMATION:
 / APPLICANT: Li, Li
 / APPLICANT: Padigaru, Muralidhara
 / APPLICANT: Vernet, Corine
 / APPLICANT: Fernandes, Elma
 / APPLICANT: Shimkets, Richard
 / APPLICANT: Spaderna, Steven
 / APPLICANT: Majumder, Kumud
 / TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 / FILE REFERENCE: 15966-721 US
 / CURRENT APPLICATION NUMBER: US/09/804, 014A
 / CURRENT FILING DATE: 2002-04-24
 / PRIOR APPLICATION NUMBER: 60/188, 316
 / PRIOR FILING DATE: 2000-03-10
 / PRIOR APPLICATION NUMBER: 60/188, 277
 / PRIOR FILING DATE: 2000-03-10
 / PRIOR APPLICATION NUMBER: 60/189, 139
 / PRIOR FILING DATE: 2000-03-14
 / PRIOR APPLICATION NUMBER: 60/189, 140

Query Match 46.8%; Score 466; DB 9; Length 353;
 Best Local Similarity 47.9%; Pred. No. 3.7e-18;
 Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;

RESULT 6
 US-09-969-680A-7
 Sequence 7, Application US/09969680A
 Publication No. US2003012469A1
 GENERAL INFORMATION:
 APPLICANT: BAUGHN, Mariah R.
 APPLICANT: LU, Dzung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PP-0731-1 USA
 CURRENT APPLICATION NUMBER: US/09/965,529
 CURRENT FILING DATE: 2001-09-26
 PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 OTHER INFORMATION: Incyte ID No. US20030124649A1 24831172CD1
 US-09-965-529-7
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. US20020182671A1 24831172CD1
 US-09-969-680A-7
 Query Match 46.8%; Score 466; DB 9; Length 353;
 Best Local Similarity 47.9%; Pred. No. 3.7e-38;
 Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;

RESULT 7
 US-11-048-692-7
 Sequence 7, Application US/11048692
 Publication No. US/0050123990A1
 GENERAL INFORMATION:
 APPLICANT: LAI, Preeti; YUE, Henry
 APPLICANT: TANG, Y.; TOM, BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dzung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PP-0731-1 USA
 CURRENT APPLICATION NUMBER: US/11/048,692
 CURRENT FILING DATE: 2005-02-02
 PRIOR APPLICATION NUMBER: US/09/969,680
 PRIOR FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: US00/22315
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149,641
 PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: US/09/969,680
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No: 24831172CD1
 US-11-048-692-7
 Query Match 46.8%; Score 466; DB 20; Length 353;
 Best Local Similarity 47.9%; Pred. No. 3.7e-38;
 Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;

RESULT 6
 US-09-969-680A-7
 Sequence 7, Application US/09969680A
 Publication No. US2003012469A1
 GENERAL INFORMATION:
 APPLICANT: LAI, Preeti; YUE, Henry
 APPLICANT: TANG, Y.; TOM, BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dzung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PP-0731-1 USA
 CURRENT APPLICATION NUMBER: US/09/969,680A
 CURRENT FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: US00/22315
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149,641
 PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: US/09/969,680
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. US20030124649A1 24831172CD1
 US-09-969-680A-7
 Query Match 46.8%; Score 466; DB 10; Length 353;

RESULT 8
US-10-037-860-13
Sequence 13, Application US/10037860
Publication No. US20020123114A1
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
FILE REFERENCE: 2581.1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: 09/189,527
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 13
LENGTH: 463
TYPE: PRT
ORGANISM: homo sapiens
US-10-037-860-13

Query Match 46.4%; Score 462.5; DB 13; Length 463;
Best Local Similarity 41.7%; Pred. No. 1.2e-35; Indels 3; Gaps 2;
Matches 93; Conservative 34; Mismatches 65; Indels 3; Gaps 2;

Db 1 PLALLEDWCRIMDSVDBQKSLMVTGKIPADDEAEIQLVLODTLKSGLGRYLLGKIFRKQEN 60
2 PLTLQDWRGEHLNTRCMILIGKIPEDCGEDFETLQBACHLGRYTVIGRMFRBEN 61

Qy 61 ANAVILLELDTDVSAIPSEVOGKKGWVKVIFTKPNODTEFLRLNLFLKEGOTVSGMF 120
62 AQAILELADDIAYLPLPBPQKGPWETVKPRNSDSEBLNRLREFEERTVSDMN 121

Db 121 RALGQEALSPATVPCISPELLAHLGQAMAHAPQLL-PMRYRKLRVFGSAYPAPEES 179
122 RVLGDDTNCSAPRTTISPGFWT--WAQTGAAVOPPLLEGMLYLRLRVSGNTISPGALA 179

Db 180 FEWLEQATEIVKEW 194
180 FDAWLEHTEMLQWW 194

Qy 180 FEWLEQATEIVKEW 194
Db 180 FDAWLEHTEMLQWW 194

RESULT 9
US-10-037-860-4
Sequence 4, Application US/10037860
Publication No. US20020123114A1
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
FILE REFERENCE: 2581.1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 2001-01-14
PRIOR APPLICATION NUMBER: 09/189,527
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 4
LENGTH: 329
TYPE: PRT
ORGANISM: homo sapiens
US-10-037-860-4

Query Match 44.3%; Score 441; DB 13; Length 329;
Best Local Similarity 46.4%; Pred. No. 1.1e-35; Indels 6; Gaps 4;
Matches 90; Conservative 37; Mismatches 61;

Db 2 LALLEDWCRIMDSVDEQKSLMTVGKIPADFEAEIQEVLTQSLGRYLLGKIFRKQENA 61
3 MTLEDWRGMDSVQSRXLLVNGKIPVNQDEAEIETLQAMPOYS-TRMLGRMFMRENA 61

Qy 62 NAVILLELDTDVSAIPSEVOGKKGWVKVIFTKPNODTEFLRLNLFLKEGOTVSGMF 121
62 KAALIELTGAVDYAAIPREMKGKGVNLKFREPTSDAEFLRLFLAREGTVQDVAR 121

Db 122 ALGQEALSPATVPCISPELLAHLGQAMAHAPQLL-PMRYRKLRVFGSAYPAPEESF 180
122 VLGFQ--NPTPTP-GPMPMAEMLNVYLDNVIQPLYESIWYKRLTLSGKGKHPRAWGNF 177

Query Match 44.3%; Score 441; DB 13; Length 318;
Best Local Similarity 46.4%; Pred. No. 1.3e-35; Indels 6; Gaps 4;
Matches 90; Conservative 36; Mismatches 62;

Db 2 LALLEDWCRIMDSVDEQKSLMTVGKIPADFEAEIQEVLTQSLGRYLLGKIFRKQENA 61
3 MTLEDWRGMDSVQSRXLLVNGKIPVNQDEAEIETLQAMPOYS-TRMLGRMFMRENA 61

Qy 62 NAVILLELDTDVSAIPSEVOGKKGWVKVIFTKPNODTEFLRLNLFLKEGOTVSGMF 121
62 KAALIELTGAVDYAAIPREMKGKGVNLKFREPTSDAEFLRLFLAREGTVQDVAR 121

Db 122 VLGFQ--NPTPTP-GPMPMAEMLNVYLDNVIQPLYESIWYKRLTLSGKGKHPRAWGNF 177

Query Match 44.3%; Score 441; DB 13; Length 318;
Best Local Similarity 46.4%; Pred. No. 1.3e-35; Indels 6; Gaps 4;
Matches 90; Conservative 36; Mismatches 62;

Db 2 LALLEDWCRIMDSVDEQKSLMTVGKIPADFEAEIQEVLTQSLGRYLLGKIFRKQENA 61
3 MTLEDWRGMDSVQSRXLLVNGKIPVNQDEAEIETLQAMPOYS-TRMLGRMFMRENA 61

Qy 62 NAVILLELDTDVSAIPSEVOGKKGWVKVIFTKPNODTEFLRLNLFLKEGOTVSGMF 121
62 KAALIELTGAVDYAAIPREMKGKGVNLKFREPTSDAEFLRLFLAREGTVQDVAR 121

Db 122 VLGFQ--NPTPTP-GPMPMAEMLNVYLDNVIQPLYESIWYKRLTLSGKGKHPRAWGNF 177

Query Match 44.3%; Score 441; DB 13; Length 318;
Best Local Similarity 46.4%; Pred. No. 1.3e-35; Indels 6; Gaps 4;
Matches 90; Conservative 36; Mismatches 62;

Db 2 LALLEDWCRIMDSVDEQKSLMTVGKIPADFEAEIQEVLTQSLGRYLLGKIFRKQENA 61
3 MTLEDWRGMDSVQSRXLLVNGKIPVNQDEAEIETLQAMPOYS-TRMLGRMFMRENA 61

Qy 62 NAVILLELDTDVSAIPSEVOGKKGWVKVIFTKPNODTEFLRLNLFLKEGOTVSGMF 121
62 KAALIELTGAVDYAAIPREMKGKGVNLKFREPTSDAEFLRLFLAREGTVQDVAR 121

Db 122 VLGFQ--NPTPTP-GPMPMAEMLNVYLDNVIQPLYESIWYKRLTLSGKGKHPRAWGNF 177

Qy 181 EWLQEATRIVKEW 194
 Db 178 DPMLEHTNVELEEN 191

RESULT 11

US-09-804-014A-73

Sequence 73, Application US/09804014A

Publication No. US20030064489A1

GENERAL INFORMATION:

Applicant: Li, Li

Assignee: Padigaru, Muralidhara

Vernet, Corine

Fernandes, Elma

Shimkets, Richard

Spaderna, Steven

Majumder, Kumud

Title of Invention: Novel Polypeptides and Nucleic Acids Encoding Same

FILE REFERENCE: 15966-721 US

CURRENT APPLICATION NUMBER: US/09/804, 014A

CURRENT FILING DATE: 2002-04-24

PRIOR APPLICATION NUMBER: 60/188, 116

PRIOR FILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: 60/188, 277

PRIOR FILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: 60/189, 139

PRIOR FILING DATE: 2000-03-14

PRIOR APPLICATION NUMBER: 60/189, 140

PRIOR FILING DATE: 2000-03-14

PRIOR APPLICATION NUMBER: 60/190, 401

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/190, 231

PRIOR FILING DATE: 2000-03-17

NUMBER OF SEQ ID NOS: 75

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 74

LENGTH: 312

TYPE: PRT

ORGANISM: Homo sapiens

US-09-804-014A-74

Query Match

Best Local Similarity

Score 436;

DB 10;

Length 312;

Matches 91;

Mismatches 71;

Indels 2;

Gaps 2;

Qy 2 LALLEDWCRIMSVDEOKSLMVTGIPADPFEERIEQVYLOQTULKSGLGRVLLGKIFRKQENA 61

Db 3 LRLEDWKCRGMNDMNPKALLIAGISQSCLVAEELQAGLAPLGYYRLGRMFREDENR 62

Qy 62 NAVLLELDTDVSAPSEVQKGGMVKVTFKTPNQDTEFLERLNFLKEGQTVSMFR 121

Db 63 KVALVGLTAAETSHALVKEIPKGGMWVRIKPDDNTFLSRLNEFLAGMTVGLSLR 122

Qy 122 ALGOEALSPATVPCISPPELLAHILQOMAHAPQPLLP-MRYRKLRVFGSGAVPAPEEEF 180

Db 123 ALGHENGSDLPQGMIPNMWPAQMLAO-EALQPALQCLYKTKLRLVFGRESPEPEEEF 181

Qy 181 EWLQEATRIVKEW 194

Db 182 GRWMFTTQMIKAW 195

RESULT 12

US-09-804-014A-74

Sequence 74, Application US/09804014A

Publication No. US20030064489A1

GENERAL INFORMATION:

Applicant: Li, Li

Assignee: Padigaru, Muralidhara

Vernet, Corine

Fernandes, Elma

Shimkets, Richard

Spaderna, Steven

Majumder, Kumud

Title of Invention: Novel Polypeptides and Nucleic Acids Encoding Same

FILE REFERENCE: 15966-721 US

CURRENT APPLICATION NUMBER: US/09/804, 014A

PRIOR APPLICATION NUMBER: 60/188, 316

PRIOR FILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: 60/188, 277

PRIOR FILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: 60/189, 139

PRIOR FILING DATE: 2000-03-14

PRIOR APPLICATION NUMBER: 60/190, 401

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/190, 231

PRIOR FILING DATE: 2000-03-17
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 39
 LENGTH: 321
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-804-014A-39

Query Match 43.8%; Score 436; DB 10; Length 321;
 Best Local Similarity 46.9%; Pred. No. 3.9e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDWCRIMSVDEQKSIMVTGIPADFBEAEIQVLOTLKSLPGRYRLGKIFRKOENA 61
 Db 3 LRLEDWCRGMDMNPRAKLIAGISQSCSYAIEBALQGLAPLGEYLGRMRFRDENR 62

Qy 62 NAVILLEEDTDSAIIPSVEYQKGSKVWKFVKTFKTNQDTEFLERUNLFLKEGOTVSGMFR 121
 Db 63 KVALVGLTAETSHALVPKEIPKGGSIVRWFVKPPDPNTFLSRUNELFLAGEMTVGELS 122

Qy 122 ALGOEALSPTAVPCISPELLAHLLGQAMAHAPOLLP-MRYRKLRVFSQAVAPPEEEF 180
 Db 123 ALGHENGSLDPEQMIPEWQMLAQAL-EALQPALOCLKYKLRVFSGRESPEPGEEEF 181

Qy 181 EVWLEQATEIVKEW 194
 Db 182 GRMMFTTQMIKAW 195

RESULT 15
 US-09-804-014A-16
 Sequence 16, Application US/09804014A
 Publication No. US20030064489A1
 GENERAL INFORMATION:
 APPLICANT: Li, Li ; Padigaru, Mura Ichihara
 APPLICANT: Vernet, Corine ; Fernandes, Elma
 APPLICANT: Shimkets, Richard ; Spaderna, Steven
 APPLICANT: Majumder, Kumud ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 CURRENT APPLICATION NUMBER: US/09/804,014A
 CURRENT FILING DATE: 2002-04-24
 PRIOR APPLICATION NUMBER: 60/188,277
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/188,277
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/189,139
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/189,140
 PRIOR FILING DATE: 2000-03-14
 SEQ ID NO: 16
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-804-014A-16

Query Match 43.8%; Score 436; DB 10; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3.9e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDWCRIMSVDEQKSIMVTGIPADFBEAEIQVLOTLKSLPGRYRLGKIFRKOENA 61
 Db 3 LRLEDWCRGMDMNPRAKLIAGISQSCSYAIEBALQGLAPLGEYLGRMRFRDENR 62

Qy 62 NAVILLEEDTDSAIIPSVEYQKGSKVWKFVKTFKTNQDTEFLERUNLFLKEGOTVSGMFR 121
 Db 63 KVALVGLTAETSHALVPKEIPKGGSIVRWFVKPPDPNTFLSRUNELFLAGEMTVGELS 122

Query Match 43.8%; Score 436; DB 9; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3.9e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDWCRIMSVDEQKSIMVTGIPADFBEAEIQVLOTLKSLPGRYRLGKIFRKOENA 61
 Db 3 LRLEDWCRGMDMNPRAKLIAGISQSCSYAIEBALQGLAPLGEYLGRMRFRDENR 62

Qy 62 NAVILLEEDTDSAIIPSVEYQKGSKVWKFVKTFKTNQDTEFLERUNLFLKEGOTVSGMFR 121
 Db 63 KVALVGLTAETSHALVPKEIPKGGSIVRWFVKPPDPNTFLSRUNELFLAGEMTVGELS 122

Search completed: August 26, 2005, 17:21:26
 Job time : 52.8076 sec

CURRENT FILING DATE: 1998-11-10 ; CURRENT FILING DATE: 2000-07-12
; NUMBER OF SEQ ID NOS: 14 ; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO 4 ; SOFTWARE: FastSEQ For Windows Version 3.0 ; SOFTWARE: PatentIn version 3.0
; LENGTH: 329 ; SEQ ID NO 2 ;
; TYPE: PRT ; LENGTH: 800 ;
; ORGANISM: homo sapiens ;
; US-09-189-527-4 ;
; US-09-555-790A-2 ;
; US-09-949-016-10835 ;
; Sequence 10835, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C101307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/337,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10835
; LENGTH: 577
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-10835 ;
; US-09-949-016-10835 ;
; Sequence 10835, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo
; TITLE OF INVENTION: TUMOR ANTIGEN PROTEINS, GENES THEREFOR, AND TUMOR ANTIGEN PEPTIDES
; FILE REFERENCE: 0020-4491.P
; CURRENT APPLICATION NUMBER: US/09/202,047A
; CURRENT FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 800
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-202-047A-2 ;
; US-09-949-016-10835 ;
; Sequence 10835, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: SHIUCHIJO, Shigeki
; TITLE OF INVENTION: TUMOR ANTIGEN PROTEINS, GENES THEREFOR, AND TUMOR ANTIGEN PEPTIDES
; FILE REFERENCE: 0020-4491.P
; CURRENT APPLICATION NUMBER: US/09/202,047A
; CURRENT FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 800
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-202-047A-2 ;
; US-09-949-016-10835 ;
; Sequence 10835, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo et al.
; TITLE OF INVENTION: TUMOR ANTIGEN PEPTIDES
; FILE REFERENCE: 0020-4716.D
; CURRENT APPLICATION NUMBER: US/09/555,790A
; LENGTH: 800
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-555-790A-2 ;
; US-09-555-790A-2 ;
; Sequence 2, Application US/09555790A
; Patent No. 655652
; GENERAL INFORMATION:
; APPLICANT: SPENCER, JEFFREY A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
; TITLE OF INVENTION: IN STRIATED MUSCLE CELLS

FILE REFERENCE: MYOG-028US
 CURRENT FILING DATE: 2000-07-18
 PRIOR APPLICATION NUMBER: 60/219,020
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 4
 LENGTH: 545
 TYPE: PRT
 ORGANISM: Mus musculus
 US-09-908-988B-4

Query Match 11.4%; Score 87; DB 4; Length 545;
 Best Local Similarity 25.0%; Pred. No. 0.21; Indels 60; Gaps 8;
 Matches 44; Conservative 23; Mismatches 49;

Qy 5 IVAQADNPSTVEEC-----LEAFKQVFGSLESRRATAQVRILKPYQSEG----- 47
 Db 190 ISQLEDTCCTIECCRQKDLCRKEFDHLYGILERKTEMTQAITRTOEKELEHVTLIR 249

Qy 48 -----EKVS-----AYTFLRLETLLRAVEKAIPRITAOVRLQ--- 82
 Db 250 KYSDEHLNPSKLVLRBEGIQLQMDPEPNAVFLQAKTLLQKIVE----- 305

Qy 83 VMAQATLNGQMLWCRILRELLKDQGPPSFLELMKVIREEEEAEPENESEEPEERD 138
 Db 306 TMSNETVNLN-----REEK-----IIREIDFSREEEEEEDAGEBD-----EEGEED 347

RESULT 7
 US-09-949-016-7561
 Sequence 7561, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: KNOWN GENES ASSOCIATED

WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7561

LENGTH: 1307

Query Match 11.0%; Score 84.5; DB 4; Length 1307;
 Best Local Similarity 19.0%; Pred. No. 1.4%; Indels 85; Gaps 6;

Matches 39; Conservative 25; Mismatches 56; Gaps 6;

Qy 16 ECELEAFKQVFGSLESRRATAQVRILKPYQSEGKVSAY----- 54
 Db 880 EEQQNTMKAVLLEEKEKDLANTRGKMLQDLQENESLKAHQEVAAQHNLKASSASQFEEBL 939

Qy 55 -----LRLETLLRAVEKAIPRITAOVRLQEMAGATLNLWCRILRELKDQG 104
 Db 940 IVLKERENLKLRLAAMLKRESDSLSSKTLQDQVDE-----NKLFKSQIBQLKQN 991

Qy 105 -----PPPSFELMKVIREEEEAEPENE-----SIEPEERD----- 138
 Db 992 YQQASSFPFPH-----BLLKVTSERETISGLWNEEDSLDAVEHORKKKNERQQVEALE 1049

Qy 139 -----SYGRNNH 145
 Db 661 R 661

RESULT 8
 US-08-056-200-94
 Sequence 94, Application US/08056200
 Patent No. 5956752
 GENERAL INFORMATION:
 APPLICANT: Steinert, Peter M.
 APPLICANT: Lee, Seung-Chul
 APPLICANT: Kim, In-Gyu
 APPLICANT: Chung, Soo-Il
 APPLICANT: Park, Sang-Chul
 TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
 METHODS OF USING SAME
 NUMBER OF SEQUENCES: 117
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Knobbe, Martens, Olson & Bear
 STREET: 620 Newport Center Drive, Sixteenth Floor
 CITY: Newport Beach
 STATE: CA
 COUNTRY: U.S.A.
 ZIP: 92660
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/056,200
 FILING DATE: 30-APR-1993
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Pedrick, Michael F.,
 REGISTRATION NUMBER: 36,799
 REFERENCE DOCKET NUMBER: NIH054 . 001A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (714) 760-0404
 TELEX/FAX: (714) 760-9502
 INFORMATION FOR SEQ ID NO: 94:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1898 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-056-200-94

Query Match 10.6%; Score 81.5; DB 1; Length 1898;
 Best Local Similarity 28.9%; Pred. No. 5.4%;
 Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

Qy 20 EAKQVFESSLSESRTAQVR---YLKPTQEGEGERVSAYVRLTLLRAVEKAIPRITAD 76
 Db 563 ERDQLKREEKRLEQRREQRRLKREB-----RDQLKREEBRQRLKREQ 613

Qy 77 QVRLQVMAGATLNLWCRILRELKDQGPPSFLMKVIREEEEAEPENESEEPEE 136
 Db 614 EERLEQRLKREEVERL---EQEBERRDE-----RLKREEPEEERRHELLJKSEEQE 660

RESULT 9
 US-08-080-644-94
 Sequence 94, Application US/08800644
 Patent No. 5956752
 GENERAL INFORMATION:
 APPLICANT: Steinert, Peter M.
 APPLICANT: Lee, Seung-Chul
 APPLICANT: Kim, In-Gyu
 APPLICANT: Chung, Soo-Il

APPLICANT: Park, Sang-Chul
 TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
 NUMBER OF SEQUENCES: 117
 CORRESPONDENCE ADDRESS:
 STREET: Knobbe, Martens, Olson & Bear
 CITY: Newport Beach
 STATE: CA
 COUNTRY: U.S.A.
 ZIP: 92660
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/800, 644
 FILING DATE: 14-FEB-1997
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/055, 200
 FILING DATE: 30-APR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Fedrick, Michael F.
 REGISTRATION NUMBER: 36,799
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (714) 760-0404
 TELEFAX: (714) 760-9502
 INFORMATION FOR SEQ ID NO: 94:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1898 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 JS-08-800-644-94

Query Match 10.6%; Score 81.5; DB 4; Length 1898;
 Best Local Similarity 28.9%; Pred. No. 5.4;
 Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4
 Qy 20 EAFKQVFGSLESRTAQR--YLKPYQEGKVSAYVRLTLLRAVEKRAIPRIAD 76
 Db 563 ERLEQLKREEERLQEERQLKREQE-----RRDQLKREERQORQLKREQ 613
 Qy 77 QVRLEQVMAGATLNQMLWCRLLREKQDGPPSPFELMKVIREEEEAESFENESIEEPEE 136
 Db 614 EERLEQRKREEVERL--EQEERRDE-----RLKREEEPERRLKSEEQEE 660
 Qy 137 R 137
 Db 661 R 661

RESULT 11
 US-09-248-796A-20235
 ; Sequence 20235, Application US/09248796A
 ; Patent No. 6747127
 ; GENERAL INFORMATION:
 ; APPLICANT: Keith Weinstock et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
 ; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196-132
 ; CURRENT APPLICATION NUMBER: US/09/248, 796A
 ; CURRENT FILING DATE: 1998-02-12
 ; PRIORITY APPLICATION NUMBER: US 60/074, 725
 ; PRIORITY FILING DATE: 1998-02-13
 ; PRIORITY APPLICATION NUMBER: US 60/096, 409
 ; PRIORITY FILING DATE: 1998-08-13
 ; NUMBER OF SEQ ID NOS: 28298
 ; SEQ ID NO 20235
 ; LENGTH: 531
 ; TYPE: PRT
 ; ORGANISM: Candida albicans
 US-09-248-796A-20235

Query Match 10.5%; Score 80.5; DB 4; Length 531;
 Best Local Similarity 23.9%; Pred. No. 1.1;
 Matches 27; Conservative 21; Mismatches 34; Indels 31; Gaps 4
 Qy 56 RLETLRRAVEKRAIPRIADQVRLQVMAGATLNQMLWCRLLREKQDGPPSPF----- 109
 Db 15 RTTTRNREGIKKAQAKRKKDKTKA-----DVTWK-KSRKSDPGTPASFPYRKDKI 65
 Qy 110 -----ELMLKVIREEEEAESFENESIEEPEE 148
 Db 66 ITELEFGRRLKEKERQQLQKQERQAEARGEIVEDDDDEMDDQ--EGGD 116

RESULT 12
 US-09-94-016-10896
 ; Sequence 10896, Application US/09949016
 ; Patent No. 6812319
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949, 016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIORITY APPLICATION NUMBER: 60/241, 755
 ; SEQ ID NO 1280

RESULT 10
 Sequence 09-538-092-1280
 Sequence 1280, Application US/09538092
 Parent No. 6753314
 GENERAL INFORMATION:
 APPLICANT: Mansfield, Traci A.
 TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
 FILE REFERENCE: 15566-542
 CURRENT APPLICATION NUMBER: US/09/538, 092
 CURRENT FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: 60/127, 352
 PRIOR FILING DATE: 1999-04-01
 PRIOR APPLICATION NUMBER: 60/178, 965
 PRIOR FILING DATE: 2000-02-01
 NUMBER OF SEQ ID NOS: 1387
 SOFTWARE: CuratePatSeqFormatter Version 0.9
 SEQ ID NO 1280

; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 10896
 ; LENGTH: 568
 ; TYPE: PRT
 ; ORGANISM: Human
 US-09-949-016-10896

Query Match 10.4%; Score 80; DB 4; Length 568;
 Best Local Similarity 26.6%; Pred. No. 1.4; Mismatches 22; Indels 20; Gaps 5;
 Matches 37; Conservative 22; Software: Patentin version 3.0

Qy 12 SISVBECLAEFKQV---FGSLESRRTAQVRLKPKYQEGEREKVSAYVLRLETLRRAVEK 67
 Db 297 AVAMAEETLTLRQEVINPFGCLVRSKGAVAIADAIRGLPLKPKELNLSFC1KRDAA-- 354

Qy 68 RAIPPRIDQVRLQEVY-MAGATINQMLWKLRELKDKDGGPPPSFDELMKVIR-----BE 119
 Db 355 LAVAFAMADKAELDINGNTLGEGCBOLOEVLG-----FNMAKYLASLSDDEDE 408

Qy 120 EEEEAASFENESIEPEERD 138
 Db 409 EEEEEESEEESEAESEEEED 427

RESULT 13
 ; Sequence 1130, Application US/09538092
 ; Patent No. 6753314

; APPLICANT: Giot, Loc
 ; ATTORNEY: Mansfield, Traci A.
 ; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
 ; FILE REFERENCE: 15966-542

CURRENT APPLICATION NUMBER: US/09/538,092
 CURRENT FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: 60/127,352
 PRIOR FILING DATE: 1999-04-01

PRIOR APPLICATION NUMBER: 60/178,965
 PRIOR FILING DATE: 2000-02-01

NUMBER OF SEQ ID NOS: 1387
 SOFTWARE: CurapatSeqFormatter Version 0.9
 SEQ ID NO: 1130

LENGTH: 587
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: (0) .. (0)
 LOCATION: (0) .. (0)
 OTHER INFORMATION: Polypeptide Accession Number P46060
 US-09-538-092-1130

Query Match 10.4%; Score 80; DB 4; Length 587;
 Best Local Similarity 26.6%; Pred. No. 1.5; Mismatches 22; Indels 20; Gaps 5;
 Matches 37; Conservative 22; Software: Patentin version 3.0

Qy 12 SISVBECLAEFKQV---FGSLESRRTAQVRLKPKYQEGEREKVSAYVLRLETLRRAVEK 67
 Db 253 AVAMAEETLTLRQEVINPFGCLVRSKGAVAIADAIRGLPLKPKELNLSFC1KRDAA-- 310

Qy 68 RAIPPRIDQVRLQEVY-MAGATINQMLWKLRELKDKDGGPPPSFDELMKVIR-----BE 119
 Db 311 LAVAFAMADKAELDINGNTLGEGCBOLOEVLG-----FNMAKYLASLSDDEDE 364

Qy 120 EEEEAASFENESIEPEERD 138
 Db 365 EEEEEESEEESEAESEEEED 383

; RESULT 14
 ; Sequence 26, Application US/09540824
 ; Patent No. 6383753
 ; GENERAL INFORMATION:
 ; APPLICANT: Thiele, Dennis
 ; APPLICANT: Liu, Phillip
 ; TITLE OF INVENTION: No. 6383753el Yeast and Mammalian Regulators of Cell Proliferat:
 ; FILE REFERENCE: UM-04266
 ; CURRENT APPLICATION NUMBER: US/09/540,824
 ; CURRENT FILING DATE: 2000-03-31
 ; NUMBER OF SEQ ID NOS: 28
 ; ORGANISM: Schizosaccharomyces pombe
 ; SEQ ID NO: 26

Query Match 10.4%; Score 80; DB 3; Length 825;
 Best Local Similarity 25.8%; Pred. No. 2.4; Mismatches 33; Indels 38; Gaps 8;
 Matches 33; Conservative 25; Software: Patentin version 3.0

Qy 30 ESRRTAQVRLKPKYQEGEREKVSAYVLRLETLRRAVEKRAIP-RIIAQVRLKPKYQEGEREKVSAYVLRLETLRRAVEK 87
 Db 253 KAERKGKIKTORTISDQ----ARYDSFREMPDKRAHPTERTKTEEBLAQIREAD- 305

Qy 88 TUNQMLWKLRELKDKDGGPPPSFDELMKVIR-EPEEEEAASFENESIEPEERD--GYGR- 142
 Db 306 -----RLRELEDQ-----RISRMEMHQEDSASEAGSIISEDEQATDNVFGFSKG 347

Qy 143 -----WN 144
 Db 348 QNEEEENN 355

RESULT 15
 ; Sequence 1285, Application US/09538092
 ; Patent No. 6753314

; GENERAL INFORMATION:
 ; APPLICANT: Giot, Loc
 ; APPLICANT: Mansfield, Traci A.
 ; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
 ; FILE REFERENCE: 15966-542

CURRENT APPLICATION NUMBER: US/09/538,092
 CURRENT FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: 60/127,352
 PRIOR FILING DATE: 1999-04-01
 PRIOR APPLICATION NUMBER: 60/178,965
 PRIOR FILING DATE: 2000-02-01
 NUMBER OF SEQ ID NOS: 1387
 SOFTWARE: CurapatSeqFormatter Version 0.9
 SEQ ID NO: 1285

LENGTH: 620
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: (0) .. (0)
 LOCATION: (0) .. (0)
 OTHER INFORMATION: Polypeptide Accession Number Q08379

; RESULT 16
 ; Sequence 1285, Application US/09538092
 ; Patent No. 6753314

Query Match 10.4%; Score 77.5; DB 4; Length 620;
 Best Local Similarity 25.0%; Pred. No. 3.2; Mismatches 35; Conservative 26; Indels 31; Gaps 5;

Qy 15 VEEBCLAEFKQVFGSLESRSRTAQVRLKPKYQEGEREKVSAYVLRLETLRRAVEK 67
 Db 212 LKETVELKSQEAQSLSQQDQYQIGHQY-----VAYQQLTSEEKEVLNQLLQTLQV 265

Qy 66 -----EKRAIPRRIADQVRLNQMLWCRRELKDQGPPPSFLBLMKV 115

Thu Sep 1 12:58:55 2005

us-10-037-860-9.rai

Page 6

Db 266 DQLQQQEAGKAYAEMAREQELQETOERLEATQONQQLRAQLSILMAHPG-----EDGL 319
Qy 116 IREEEEEEASFENESIEEBB 135
Db 320 DREBEDDEEEEAVALVQ 339

Search completed: August 26, 2005, 16:50:24
Job time : 12.2354 secs

Page 1

Gencore version 5.1.6			
Copyright (c) 1993 - 2005 Compugen Ltd.			
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Perfect score:	766		
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Searched:	39926209 residues		
Total number of hits satisfying chosen parameters:	1767149		
Post-processing:	Minimum Match 0%		
	Maximum Match 100%		
	Listing first 45 summaries		
Database :	Published Applications_AA.*		
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	3: /cnr2_6/pctodata/1/pubpaa/US05_NEW_PUB.pep:*		
	4: /cnr2_6/pctodata/1/pubpaa/US06_PUCOMB.pep:*		
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	7: /cnr2_6/pctodata/1/pubpaa/US08_NEW_PUB.pep:*		
	8: /cnr2_6/pctodata/1/pubpaa/US09_PUCOMB.pep:*		
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	21: /cnr2_6/pctodata/1/pubpaa/US60_NEW_PUB.pep:*		
	22: /cnr2_6/pctodata/1/pubpaa/US60_PUCOMB.pep:*		
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES		
RESULT 1	US-10-037-860-9		
	1 Sequence 9, Application US/10037860		
	; Publication No. US20020123114A1		
	; GENERAL INFORMATION:		
	; APPLICANT: Jerome B. Posner		
	; APPLICANT: Joseph O. Dalmu		
	; APPLICANT: Myrna R. Rosenfeld		
	; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA		
	; TITLE OF INVENTION: ANTIBODIES		
	; FILE REFERENCE: 2581.1004-004		
	; CURRENT APPLICATION NUMBER: US/10/037,860		
	; CURRENT FILING DATE: 2001-01-04		
	; PRIOR APPLICATION NUMBER: 09-189,527		
	; PRIOR FILING DATE: 1998-11-10		
	; NUMBER OF SEQ ID NOS: 14		
	; SOFTWARE: FastSEQ for Windows Version 4.0		
	; SEQ ID NO 9		
	; LENGTH: 149		
	; TYPE: PRT		
	; ORGANISM: homo sapiens		
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2	758	99.0	364
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4	323	42.2	463
5	295.5	38.6	353
6	295.5	38.6	353
7	287.5	38.6	353
8	287	37.5	452
9	271.5	36.2	399
10	271.5	35.4	351
11	271.5	35.4	351
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1	351	10	US-09-680A-1
2	351	15	US-10-341-434-10
3	351	20	US-11-048-692-1
4	329	13	US-10-037-860-4
5	318	10	US-10-094-466-38
6	318	15	US-10-094-466-38
7	317	15	US-10-236-115-1208
8	317	15	US-10-755-889-122
9	317	10	US-09-804-014A-39
10	312	10	US-09-804-01A-73
11	312	15	US-10-094-749-2881
12	312	15	US-10-094-749-2881
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16	312	15	US-10-416-77-
17	312	15	US-10-754-829-8
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Qy 121 EEEASFENSESIEEPEERDGYGRNNHEGDD 149
 Db 121 EEEASFENSESIEEPEERDGYGRNNHEGDD 149

RESULT 2
 US-10-504-329-3
 ; Sequence 3, Application US/10504329
 ; Publication No. US05010569A1
 ; GENERAL INFORMATION:
 ; TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
 ; FILE REFERENCE: 030475wo ME/BM
 ; CURRENT APPLICATION NUMBER: US/10/504,329
 ; CURRENT FILING DATE: 2004-08-25
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 364
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-504-329-3

Query Match 99.0%; Score 756; DB 17; Length 364;
 Best Local Similarity 99.3%; Pred. No. 1.3e-68; Indels 0; Gaps 0;
 Matches 148; Conservative 0; Mismatches 1; SEQ ID NO 13

Qy 1 DLMHIVQADNPSSIVECLEAFKQVFGSLESRTAQVRLKPYQEEGEVSAVRLLETL 60
 Db 216 DLMHIVQADNPSSIVECLEAFKQVFGSLESRTAQVRLKTYQEEGEVSAVRLLETL 275

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 Best Local Similarity 52.7%; Pred. No. 3.8e-24;
 Matches 68; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 6 VQADNPSSIVECLEAFKQVFGSLESRTAQVRLKPYQEEGEVSAVRLLETLRAV 65
 Db 220 LRASNASITVECLAFQVFGEVSHKIAQVRLCKRAYQEAGEVSAVRLPLQLRAV 279

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 Matches 66; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 66 EKRAIPPRRIADQVRLQEQMAGATINQMLWCRURELKDQGPSSFLMVKVIREEEBEAS 125
 Db 280 ENNVVSRAVNQTRLKRVLSGATLPLDKRLKLMQRKPKGFLALVKLREEEWEAT 339

Query Match 12.6%; Score 340; DB 13; Length 463;
 Best Local Similarity 52.7%; Pred. No. 3.8e-24;
 Matches 66; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 126 F--ENESTE 132
 Db 340 LGFDRESLE 348

RESULT 3
 US-10-037-860-11
 ; Sequence 11, Application US/1037860
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-MA
 ; FILE REFERENCE: 2581.104-004
 ; CURRENT APPLICATION NUMBER: US/10/037,860
 ; CURRENT FILING DATE: 2001-01-04
 ; PRIOR APPLICATION NUMBER: 09-189,527
 ; PRIOR FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 283
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-10-037-860-11

Query Match 98.6%; Score 755; DB 13; Length 283;
 Best Local Similarity 98.7%; Pred. No. 1.9e-68; Indels 0; Gaps 0;
 Matches 147; Conservative 1; Mismatches 1; SEQ ID NO 7

Qy 1 DLMHIVQADNPSSIVECLEAFKQVFGSLESRTAQVRLKPYQEEGEVSAVRLLETL 60
 Db 135 DLMHIVQADNPSSIVECLEAFKQVFGSLESRTAQVRLKTYQEEGEVSAVRLLETL 194

RESULT 4
 US-10-037-860-13
 ; Sequence 13, Application US/10037860
 ; Publication No. US2002012311A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-MA
 ; FILE REFERENCE: 2581.104-004
 ; CURRENT APPLICATION NUMBER: US/10/037,860
 ; CURRENT FILING DATE: 2001-01-04
 ; PRIOR APPLICATION NUMBER: 09-189,527
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 13

Query Match 42.2%; Score 323; DB 13; Length 463;
 Best Local Similarity 52.7%; Pred. No. 3.8e-24;
 Matches 68; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 6 VQADNPSSIVECLEAFKQVFGSLESRTAQVRLKPYQEEGEVSAVRLLETLRAV 65
 Db 220 LRASNASITVECLAFQVFGEVSHKIAQVRLCKRAYQEAGEVSAVRLPLQLRAV 279

Query Match 6.6%; Score 323; DB 13; Length 463;
 Best Local Similarity 52.7%; Pred. No. 3.8e-24;
 Matches 66; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 66 EKRAIPPRRIADQVRLQEQMAGATINQMLWCRURELKDQGPSSFLMVKVIREEEBEAS 125
 Db 280 ENNVVSRAVNQTRLKRVLSGATLPLDKRLKLMQRKPKGFLALVKLREEEWEAT 339

Query Match 12.6%; Score 340; DB 13; Length 463;
 Best Local Similarity 52.7%; Pred. No. 3.8e-24;
 Matches 66; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

Qy 126 F--ENESTE 132
 Db 340 LGFDRESLE 348

RESULT 5
 US-09-965-529-7
 ; Sequence 7, Application US/09965529
 ; Publication No. US20020182671A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LAL, Preeti
 ; APPLICANT: YUE, Henry
 ; APPLICANT: TANG, Y. Tom
 ; APPLICANT: BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil
 ; APPLICANT: AZIMAI, Yalda
 ; APPLICANT: BAUGHN, Mariah R.
 ; APPLICANT: LJU, Dryung Aina M.
 ; APPLICANT: PATERSON, Chanda
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; FILE REFERENCE: PF-0731 USA
 ; CURRENT APPLICATION NUMBER: US/09/965,529
 ; CURRENT FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 ; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 ; NUMBER OF SEQ ID NOS: 74
 ; SOFTWARE: PERL program
 ; SEQ ID NO 7
 ; LENGTH: 353

TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: misc feature
 OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
 US-09-965-680A-7

Query Match Score 295.5; DB 9; Length 353;
 Best Local Similarity 46.3%; Pred. No. 1.7e-21; Indels 7; Gaps 2;
 Matches 62; Conservative 29; Mismatches 36; SEQ ID NO: 7

Qy 1 DLMHIVQADNPSSVEECLAEFKQVFGSLESRTAQVRYLKPVQEGERKVSAYVRLRLETL 60
 Db 212 DVIRILKSNPNAITTAECIKALEQVFGSVESSRDAQIKFLNTYQNPGEKLSAYVRLRLEPL 271

Qy 61 LRRAVEKRAIPRRIADQVRLQEQMAGA---TUNQMIWCRRLRELKDGPPFSFELMKVI 116
 Db 272 LQKVKERGAIKDNNQARLQEYIAGANHSGAIRQLWL--TGAGEGPAPNLFQLLVQI 328

Qy 117 REEEEEEASFENES 130
 Db 329 REEEAKEEEEEEAEA 342

RESULT 6
 US-09-965-680A-7
 Sequence 7, Application US/0989680A
 Publication No. US20030124649A1

GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 TANG, Y. Tom; BANDMAN, Olga
 BURFORD, Neil; AZIMZAI, Yalda
 BAUGHN, Mariah R.; LU, Dyung Aina M.
 PATTERSON, Chandra

FILE REFERENCE: PF-0731-1 USA
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 CURRENT APPLICATION NUMBER: US/09/969, 680A
 PRIOR APPLICATION NUMBER: US/02/2215
 CURRENT FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149, 641
 PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: 60/164, 203
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: misc feature
 OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
 US-09-965-680A-7

Query Match Score 295.5; DB 10; Length 353;
 Best Local Similarity 46.3%; Pred. No. 1.7e-21; Indels 7; Gaps 2;
 Matches 62; Conservative 29; Mismatches 36; SEQ ID NO: 7

Qy 1 DLMHIVQADNPSSVEECLAEFKQVFGSLESRTAQVRYLKPVQEGERKVSAYVRLRLETL 60
 Db 212 DVIRILKSNPNAITTAECIKALEQVFGSVESSRDAQIKFLNTYQNPGEKLSAYVRLRLEPL 271

Qy 61 LRRAVEKRAIPRRIADQVRLQEQMAGA---TUNQMIWCRRLRELKDGPPFSFELMKVI 116
 Db 272 LQKVKERGAIKDNNQARLQEYIAGANHSGAIRQLWL--TGAGEGPAPNLFQLLVQI 328

Qy 117 REEEEEEASFENES 130
 Db 329 REEEAKEEEEEEAEA 342

RESULT 6
 US-10-408-765A-2385
 Sequence 2385, Application US/10408765A
 Publication No. US20040101874A1

GENERAL INFORMATION:
 APPLICANT: Ghosh, Sounitra S.
 Paby, Eoin D.
 Zhang, Bing
 Gibson, Bradford W.
 Taylor, Steven W.
 Glenn, Gary M.
 Warnock, Dale E.
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
 TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 FILE REFERENCE: 660088-465
 CURRENT APPLICATION NUMBER: US/10/408, 765A
 CURRENT FILING DATE: 2003-04-04
 NUMBER OF SEQ ID NOS: 3077
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO: 2385
 LENGTH: 452
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-408-765A-2385

Query Match 37.5%; Score 287; DB 16; Length 452;
 Best Local Similarity 43.8%; Pred. No. 1.7e-20; Indels 8; Gaps 2;
 Matches 63; Conservative 30; Mismatches 43; Delins 8; Gaps 2;

RESULT 10
 US-09-965-529-1 ; Sequence 1, Application US/09965529
 Publication No. US20020182671A1 ; GENERAL INFORMATION:
 APPLICANT: LAL, Preeti ;
 APPLICANT: YUB, Henry ;
 APPLICANT: TANG, Y. Tom ;
 APPLICANT: BANDMAN, Olga ;
 APPLICANT: BURFORD, Neill ;
 APPLICANT: AZIMZAI, Yalda ;
 APPLICANT: BAUGHN, Mariah R. ;
 APPLICANT: LU, Dyoung Aina M. ;
 APPLICANT: PATERSON, Chandra ;
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS ;
 FILE REFERENCE: PF-0731 USA

CURRENT APPLICATION NUMBER: US/09/965-529
 CURRENT FILING DATE: 2001-09-26
 PRIOR APPLICATION NUMBER: 60/149,641 ;
 PRIOR FILING DATE: 1999-08-17; 1999-11-09/2000-08-14
 NUMBER OF SEQ ID NOS: 74
 SEQ ID NO 1
 SOFTWARE: PERL program
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
 US-09-965-529-1

Query Match 35.4%; Score 271.5; DB 9; Length 351;
 Best Local Similarity 44.6%; Pred. No. 4.7e-19;
 Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;

Qy 1 DLMHIVQADNPSTISVVECLEAFKQVFGSLSLESRRTAQVRVLYKPYQEGERKVSYAVYLRLTLL 60
 Db 216 DVIRVKINNPLTVDEQLEAUQLEEVGTYDNRREVLYKTYQDDEKLSSAVLRLREPL 275

Qy 61 LRRAVEKRAPIPRRIADQYRLEQVAGA -- TLNQMLMCRLELKDGPPPSFLMLMKVIR 117
 Db 276 LQKLVRQGAIERDAVNQARLQVTAQAVHKTIRREL---NLPEDGPAPGFLQLVLIK 330

Qy 118 E---EEBEAA 124
 Db 331 DYEAEEBEAA 340

RESULT 11
 US-09-804-014A-16 ; Sequence 16, Application US/09804014A
 Publication No. US20030064489A1 ; GENERAL INFORMATION:
 APPLICANT: Li, Li ;
 APPLICANT: Padigaru, Muralidhara ;
 APPLICANT: Verratti, Corine ;
 APPLICANT: Fernandes, Elma ;
 APPLICANT: Shimek, Richard ;
 APPLICANT: Spaderna, Steven ;
 APPLICANT: Majumder, Kumud ;
 TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 FILE REFERENCE: 15366-721 US ;
 CURRENT APPLICATION NUMBER: US/09/804,014A
 CURRENT FILING DATE: 2002-04-24
 PRIOR APPLICATION NUMBER: 60/188,316
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/188,277
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/189,139
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/189,140
 PRIOR FILING DATE: 2000-03-14

Query Match 36.2%; Score 277; DB 15; Length 399;
 Best Local Similarity 43.5%; Pred. No. 1.5e-19;
 Matches 60; Conservative 30; Mismatches 48; Indels 0; Gaps 0;
 LENGTH: 399
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-094-749-1978

Query Match 36.2%; Score 277; DB 15; Length 399;
 Best Local Similarity 43.5%; Pred. No. 1.5e-19;
 Matches 60; Conservative 30; Mismatches 48; Indels 0; Gaps 0;

Qy 2 LMHIQADNPISIVEECLAFKQVFGSLSLESRRTAQVRVLYKPYQEGERKVSYAVYLRLTLL 61
 Db 208 LVHALIAENPARTAQDCLAAQVFGDNQSATIRVKCITAQQSGSERISAFLYRLEVLL 267

Qy 62 RRAVEKRAPIPRRIADQYRLEQVAGATLQMLWCRLELKDGPPPSFLMLMKVIREEE 121
 Db 268 QKAMKEALARAASADRQLRQMLTRAHLTEPLDAEKLKRMAGRSFSFTMLGIVRESEA 327

Qy 122 EAASPNEESIEEPERDG 139
 Db 328 WEASLARSVRAQTQEGAG 345

```

; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 16
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-804-014A-16

Db 331 DYEAAEEEA 340

Query Match 35.4%; Score 271.5; DB 10; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
Qy 1 DLMHIVQADNPISVEECLAEFKQVFGSLESRRTAQVRYLPYQEEGKVKSAVYLRLTEL 60
Db 216 DVIRVLKINPLTVDECIQALEBVEFGTVDNPRELVQLTYQKDDEKLSSAYVRLRLEPL 275
Qy 61 LRRAVEKRPAIPRIIAQDVLQBLQWAGA--TLNQMLWCRLRELKDGQPPSPFELMKVIR 117
Db 276 LQKLVORGIERDAVNQARLDQVTAGAVHTKTRREL---NLPEDGPAPGLQLLWIK 330
Qy 118 E--EEEEE 124
Db 331 DYEAAEEEA 340

Query Match 35.4%; Score 271.5; DB 15; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
Qy 1 DLMHIVQADNPISVEECLAEFKQVFGSLESRRTAQVRYLPYQEEGKVKSAVYLRLTEL 60
Db 216 DVIRVLKINPLTVDECIQALEBVEFGTVDNPRELVQLTYQKDDEKLSSAYVRLRLEPL 275
Qy 61 LRRAVEKRPAIPRIIAQDVLQBLQWAGA--TLNQMLWCRLRELKDGQPPSPFELMKVIR 117
Db 276 LQKLVORGIERDAVNQARLDQVTAGAVHTKTRREL---NLPEDGPAPGLQLLWIK 330
Qy 118 E--EEEEE 124
Db 331 DYEAAEEEA 340

RESULT 14
US-09-969-680A-1
; Sequence 1, Application US/09969680A
; Publication No. US2003012469A1.
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; ATTORNEY: TANG, Y.; Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Duyng Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO: 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US2003012469A1 112301CD1

Query Match 35.4%; Score 271.5; DB 10; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
Qy 1 DLMHIVQADNPISVEECLAEFKQVFGSLESRRTAQVRYLPYQEEGKVKSAVYLRLTEL 60
Db 216 DVIRVLKINPLTVDECIQALEBVEFGTVDNPRELVQLTYQKDDEKLSSAYVRLRLEPL 275
Qy 61 LRRAVEKRPAIPRIIAQDVLQBLQWAGA--TLNQMLWCRLRELKDGQPPSPFELMKVIR 117
Db 276 LQKLVORGIERDAVNQARLDQVTAGAVHTKTRREL---NLPEDGPAPGLQLLWIK 330
Qy 118 E--EEEEE 124

```

; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1

Query Match Score 271.5; DB 20; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
Qy 1 DLMHIVQADNPISIVECEAKFQVFGSLESRTAQVRVLKPYQEGEVKSVAYVLRLETL 60
Db 216 DVIRLKKINPLITDECLQALEEYFGVDNPRQLQVKLTIQDEELSAVYRLRPL 275
Qy 61 LRAVEKRALPRTIADQVRLQEQVMAGA--TLMQMLWCRLELKDOGPPSFLBLMKVTR 117
Db 276 LQKLVQRGATRDAVNQARLDQVTAGAVHTIRREL---NLPEPDGPAGFLQOLVVK 330
Qy 118 E---EEEEE 124
Db 331 DYEAEEEEA 340

RESULT 15

US-10-037-860-4
Sequence 4, Application US/10037860
Publication No. US20102123114A1
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 2581_1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: 09/189,527
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 329
TYPE: PRT
ORGANISM: homo sapiens
US-10-037-860-4

Query Match 33.5%; Score 256.5; DB 13; Length 329;
Best Local Similarity 46.6%; Pred. No. 1.5e-17; Mismatches 30; Indels 7; Gaps 2;
Matches 54; Conservative 25; Mismatches 30; Indels 7; Gaps 2;
Qy 1 DLMHIVQADNPISIVECEAKFQVFGSLESRTAQVRVLKPYQEGEVKSVAYVLRLETL 60
Db 212 DVIRLKSNNPAITAECIKALEQVFGSESSRDAQIKLNTQNPGELSAVYRLRPL 271
Qy 61 LRAVEKRALPRTIADQVRLQEQVMAGA--TLMQMLWCRLELKDOGPPSFLBL 112
Db 272 LQKVVVERGALDKDNVNQARLDQVAGANMSGAIRQLWU--TGAGEGGGPPLSV 324

Search completed: August 26, 2005, 17:21:27

Job time : 40.5863 secs

Result No.	Score	Query	Match	Length	DB	ID	Description
1	618.5	42.3	462	3	US-09-189-527-13	Sequence 13, Appl	Sequence 13, Appl
2	593	40.6	195	3	US-09-189-527-13	Sequence 7, Appl	Sequence 7, Appl
3	564	38.6	329	3	US-09-189-527-13	Sequence 4, Appl	Sequence 4, Appl
4	104.5	7.1	577	4	US-09-189-527-13	Sequence 1083, A	Sequence 1083, A
5	100	6.8	750	4	US-09-189-527-13	Sequence 12, Appl	Sequence 12, Appl
6	98	6.7	1070	3	US-09-189-527-13	Sequence 22, Appl	Sequence 22, Appl
7	98	6.7	1504	4	US-09-189-527-13	Sequence 2, Appl	Sequence 2, Appl
8	97.5	6.7	651	3	US-09-189-527-13	Sequence 6, Appl	Sequence 6, Appl
9	97.5	6.7	651	3	US-09-189-527-13	Sequence 5, Appl	Sequence 5, Appl
10	97.5	6.7	651	4	US-09-189-527-13	Sequence 6, Appl	Sequence 6, Appl
11	95	6.5	754	4	US-09-189-527-13	Sequence 51, Appl	Sequence 51, Appl
12	94	6.4	1307	4	US-09-189-527-13	Sequence 7561, Ap	Sequence 7561, Ap
13	94	6.4	1560	4	US-09-189-527-13	Sequence 2, Appl	Sequence 2, Appl
14	93.5	6.4	331	3	US-09-189-527-13	Sequence 25, Appl	Sequence 25, Appl
15	93	6.4	1805	1	US-09-189-527-13	Sequence 2, Appl	Sequence 2, Appl
16	92	6.3	671	4	US-09-189-527-13	Sequence 6441, Ap	Sequence 6441, Ap
17	92	6.3	736	4	US-09-189-527-13	Sequence 19048, A	Sequence 19048, A
18	92	6.3	1898	1	US-09-189-527-13	Sequence 94, Appl	Sequence 94, Appl
19	92	6.3	1898	2	US-09-189-527-13	Sequence 94, Appl	Sequence 94, Appl
20	92	6.3	1898	4	US-09-189-527-13	Sequence 1280, Ap	Sequence 1280, Ap
21	91.5	6.3	300	4	US-09-189-527-13	Sequence 23947, A	Sequence 23947, A
22	91	6.2	497	4	US-09-189-527-13	Sequence 8, Appl	Sequence 8, Appl
23	91	6.2	518	3	US-09-189-527-13	Sequence 3, Appl	Sequence 3, Appl
24	91	6.2	518	3	US-09-189-527-13	Sequence 4, Appl	Sequence 4, Appl
25	91	6.2	518	3	US-09-189-527-13	Sequence 5, Appl	Sequence 5, Appl
26	91	6.2	518	3	US-09-189-527-13	Sequence 9, Appl	Sequence 9, Appl
27	91	6.2	518	3	US-09-189-527-13	Sequence 3, Appl	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639

; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalman
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SIK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 13
; LENGTH: 462
; TYPE: PRT
; ORGANISM: homo sapiens

US-09-189-527-13

Query Match 42.3%; Score 618.5; DB 3; Length 462;
Best Local Similarity 50.2%; Pred. No. 2.7e-56;
Matches 135; Conservative 44; Mismatches 85; Indels 5; Gaps 3;

Qy 1 VQKGIGWVKVIFKTPNQDTEFLERLNLFLKESGOTVSGMFRALGOEGVSPTAVPCISPEL 60
Db 76 IPKGPMEVITYKPRNGEFLNRFLFEEERRTDMNRTYQTSIDNTCSAPRVTISPEF 135

Qy 61 LAHLGGQAMAHAPQPLL PMRYRKLYFVSGSAVAPPBSEESFENWLEQATEIVKEWPTEA 119
Db 136 WT-WAQTLGAVAQVPLLEQMLYRELRVFSGNTISIIPGALAFPAWLHETTEMQMWQVPEG 193

Qy 120 EKCRWLAESLRGPALDLMHIVQADNPNSISVEBCLEAKFQVFGSLESRRTAQVRLKTYQE 179
Db 194 EKRRMLAECLRGPAQVQVSLGRASNAISITVECLALQVQFPVESHKIAQVKLCKAYQB 253

Qy 180 EGKVKVASAYVLRLKAVEKRAIPIRADQYRLQEQMAGATLNQMLWCRLRELKDQGP 239
Db 254 AGKVKASVPLRQPLORAVENNNSRARNVNTRLKRVLSGATLPDKLRDKLMLKQRK 313

Qy 240 PPSFELMKVTRREEEEASF -ENESIE 266
Db 314 PGFLFLAVKLREEEEWEATLGPDRSLE 342

RESULT 2
US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639

GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Josep O. Dalmau
 ; TITLE OF INVENTION: Myrna R. Rosenfeld
 ; Ma Family Polypeptides and Anti-Ma
 ; FILE REFERENCE: SLR98-01
 ; CURRENT FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 7
 ; LENGTH: 195
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-09-189-527-7

Query Match 40.6%; Score 593; DB 3; Length 195;
 Best Local Similarity 90.3%; Pred. No. 3.5e-54;
 Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 VQGKGGWWKVIFKTPNQDTEFLERLNLFLEKEGTGTVSGMFRALQEGVSPATVPCISPEL 60
 Db 81 VQGKGGWWKVIFKTPNQDTEFLERLNLFLEKEGTGTVSGMFRALQEGVSPATVPCISPEL 140
 Qy 61 LAHLGOAMAHAPQLLPMYRKLERVKERVSGSAVAPEEESFEVWLEQATEIVKEMP 115
 Db 141 LAHLGOAMAHAPQLLPMYRKLERVKERVSGSAVAPEEESFEVWLEQATEIVKEMP 195

RESULT 3
 US-09-189-527-4
 Sequence 4 Application US/09189527A
 ; Patent No. 6387639
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Josep O. Dalmau
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
 ; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
 ; FILE REFERENCE: SLR98-01
 ; CURRENT FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 4
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-09-189-527-4

Query Match 38.6%; Score 564; DB 3; Length 329;
 Best Local Similarity 47.0%; Pred. No. 8.7e-51;
 Matches 117; Conservative 47; Mismatches 73; Indels 12; Gaps 4;

Qy 3 GKGKGGWWKVIFKTPNQDTEFLERLNLFLEKEGTGTVSGMFRALQEGVSPATVPCISPEL 62
 Db 83 GKGKGGWWKVIFKTPNQDTEFLERLNLFLEKEGTGTVSGMFRALQEGVSPATVPCISPEL 138
 Qy 63 HLLGOAMAHAPQLP-MYRKLERVKERVSGSAVAPEEESFEVWLEQATEIVKEMP 121
 Db 139 EMLNYLDDVIVIPLVIVESTYKRLTLESGKGHPRAWGNDFPMLEHTNEVLEEQVSDEV 198
 Qy 122 KRWLAESLGPGDLMHIVADNSISVECLEAFKQVFGSLSRSRATAQVRVLTKTYQEG 181
 Db 199 RRRLMESLRFGPADYVRLNNPAITTECLAKLQRKFLNTYQNGP 258
 Qy 182 EKVSAVYLRLRKAVERKAIPIRRAQVRLQVMA---TLNQMLWCRRELKDQ 237
 Db 259 EKLSSAVVIEPLLQVKVTEKGAIKDNYNQARLQVIAHNSCAIRQLWL--TGAGE 315
 Qy 238 GPPPSFLET 246

RESULT 4
 US-09-949-016-10835
 Sequence 4 Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CLO01307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 10835
 ; LENGTH: 577
 ; TYPE: PRT
 ; ORGANISM: Human
 US-09-949-016-10835

Query Match 7.1%; Score 104.5; DB 4; Length 577;
 Best Local Similarity 22.1%; Pred. No. 0.044;
 Matches 43; Conservative 39; Mismatches 78; Indels 35; Gaps 5;

Qy 96 EEESEFEWVLEQATEIVKEMPTEAEKKRWAASSLRCPALDLHIVADNPSISVECELEA 155
 Db 290 EPPENRMVYESVERIFERSFRGDAGEVTSLLKLNKLARSQHIFEMDDNSCKEEELRK 349
 Qy 156 FKQYFGSLUSRSRATAQVRVLTKTYQEGKRVS-----AYVRLLETLRKAVERKAI 204
 Db 350 YSIYGRDPSKR-----REQLQSLHELTINAAACFMONTILLPRVELFSL 398
 Qy 205 PRRIADOVRLQEVWAGATLN--QMLWCRRELKD-----QPPPSFLETLMKVIRE 252
 Db 399 SROVARESTYLLSKGSRLHPBELLGPLKLUKQEVGEQSHPEIQQQPPGPESYVPPYRP 458

Qy 253 E-BEEFAESFENESIE 266
 Db 459 SLEEDSASLSGESLD 473

RESULT 5
 US-09-585-173B-12
 Sequence 5 Application US/09585173B
 ; Patent No. 6570063
 ; GENERAL INFORMATION:
 ; APPLICANT: Butler, Karlene
 ; APPLICANT: Famodu, Omolayo O.
 ; APPLICANT: Guttridge, Steven
 ; APPLICANT: Maxwell, Carl
 ; TITLE OF INVENTION: Magnesium Chelatase
 ; FILE REFERENCE: BB1370 US NA
 ; CURRENT APPLICATION NUMBER: US/09/585,173B
 ; CURRENT FILING DATE: 2000-06-01
 ; PRIOR APPLICATION NUMBER: US 60/137,461
 ; PRIOR FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: Microsoft Office 97
 ; SEQ ID NO: 12
 ; LENGTH: 750
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 US-09-585-173B-12

Query Match 6.8%; Score 100; DB 4; Length 750;

Best Local Similarity 23.0%; Pred. No. 0.19;
 Matches 64; Conservative 40; Mismatches 94; Indels 80; Gaps 13;

RESULT 7
 US-09-364-206-2 ; Sequence 2, Application US/09364206
 ; Patent No. 6475752 ; GENERAL INFORMATION:
 ; APPLICANT: Lal, Preeti ;
 ; ATTORNEY: Tang, Y. Tom ;
 ; APPLICANT: Baugh, Mariah R. ;
 ; APPLICANT: Kaser, Matthew R. ;
 ; TITLE OF INVENTION: Mammalian Imidazoline Receptor
 ; FILE REFERENCE: PC-00006 US
 ; CURRENT APPLICATION NUMBER: US/09/364, 206
 ; CURRENT FILING DATE: 1996-03-01
 ; NUMBER OF SEQ ID NOS: 47
 ; SOFTWARE: PERL Program
 ; SEQ ID NO: 2
 ; LENGTH: 1504
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY:
 ; OTHER INFORMATION: 129581CD1
 ; PUBLICATION INFORMATION:
 ;
 US-09-364-206-2

Query Match 6.7%; Score 98; DB 4; Length 1504;
 Best Local Similarity 22.6%; Pred. No. 0.91; Mismatches 33; Indels 86; Gaps 14;
 Matches 65; Conservative 33; Mismatches 103; Indels 86; Gaps 14;

Query 30 EKEGVSPATVPCISPELLAHLGOMAHAP 73
 Db 444 EKELDTVE-VLKAIQKAEVKSKLSNPKEKGEDSRLAAPCTRSSPPTVAPASASLP 502
 Query 74 QPLLPMPYRKLRVFGSGAVPAPEESEFWLEQATEIVKE-WPVTEAKKRWLAESLRG- 131
 Db 503 QPIL-----SNQGMFVQEAAASSLSTSLLPEHOPIAQG----CSDSLESI 547
 Query 132 PA-----LDLMHIVQADNPSISVVECLEAFKQVF---GSLESRRTAQVRYLKYQEE 180
 Db 548 PAGQAASDDLRDVPGAVGGASP----EHADEVQVYPGSGQTIFLPFTCGYTATNQD- 601
 Query 181 GEKVSAVRLRTELLKAVERAIPPRIAQVRLQVMAQATLNQMINCRRLKDQGPP 240
 Db 602 -----FIQRUSTLIRQATE-RQLP-----AWIEAANQREEGQG 633
 Query 241 PSFLELMKVIREEEAESFENESTE---EPEERDGYGRWNHEGDD 283
 Db 634 EQGEE---EDEEEEEEVDVAENRYFFENGPPDVEEEEGQQGEEEEEE 677

RESULT 6
 US-08-922-635-22
 ; Sequence 22, Application US/08922635A
 ; Patent No. 6033871 ;
 ; GENERAL INFORMATION:
 ; APPLICANT: PILETZ, John E.
 ; ATTORNEY: IVANOV, Tina R.
 ; TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
 ; FILE REFERENCE: Corrected Sequence Listing
 ; Patent No. 6033871
 ; CURRENT APPLICATION NUMBER: US/08/922, 635A
 ; CURRENT FILING DATE: 1997-09-03
 ; EARLIER APPLICATION NUMBER: 08/650, 766
 ; EARLIER FILING DATE: 1996-05-20
 ; EARLIER APPLICATION NUMBER: 60/012, 600
 ; EARLIER FILING DATE: 1996-03-01
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 22
 ; LENGTH: 1070
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ;
 US-08-922-635-22

Query Match 6.7%; Score 98; DB 3; Length 1070;
 Best Local Similarity 22.6%; Pred. No. 0.54; Mismatches 33; Indels 86; Gaps 14;

RESULT 8
 US-08-650-766-6 ; Sequence 6, Application US/08650766D
 ; Patent No. 6015690 ; GENERAL INFORMATION:
 ; APPLICANT: PILETZ, John E.
 ; ATTORNEY: IVANOV, Tina R.
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND
 ; FILE REFERENCE: Corrected Sequence Listing
 ; Patent No. 6015690
 ; CURRENT APPLICATION NUMBER: US/08/650, 766D
 ; CURRENT FILING DATE: 1996-05-20
 ; EARLIER APPLICATION NUMBER: US/08/650, 766
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 6
 ; LENGTH: 61
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ;
 US-08-650-766-6

Query 30 EKEGVSPATVPCISPELLAHLGOMAHAP 73
 Db 10 EKELDTVE-VLKAIQKAEVKSKLSNPKEKGEDSRLAAPCTRSSPPTVAPASASLP 68
 Query 74 QPLLPMPYRKLRVFGSGAVPAPEESEFWLEQATEIVKE-WPVTEAKKRWLAESLRG- 131
 Db 69 QPIL-----SNQGMFVQEAAASSLSTSLLPEHOPIAQG----CSDSLESI 113
 Query 132 PA-----LDLMHIVQADNPSISVVECLEAFKQVF---GSLESRRTAQVRYLKYQEE 180
 Db 114 PAGQAASDDLRDVPGAVGGASP----EHADEVQVYPGSGQTIFLPFTCGYTATNQD- 167
 Query 181 GEKVSAVRLRTELLKAVERAIPPRIAQVRLQVMAQATLNQMINCRRLKDQGPP 240
 Db 168 -----FIQRUSTLIRQATE-RQLP-----AWIEAANQREEGQG 199
 Query 241 PSFLELMKVIREEEAESFENESTE---EPEERDGYGRWNHEGDD 283
 Db 200 EQGEE---EDEEEEEEVDVAENRYFFENGPPDVEEEEGQQGEEEEEE 677

Query Match 6.7%; Score 97.5; DB 3; Length 651;
 Best Local Similarity 23.0%; Pred. No 0.29;
 Matches 59; Conservative 30; Mismatches 99; Indels 69; Gaps 12;

RESULT 10
 US-09-389-487-6
 ; Sequence 6, Application US/09389487
 ; Patent No. 6576742
 ; GENERAL INFORMATION:
 ; APPLICANT: PILTZ, John E.
 ; INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND FILE REFERENCE: Corrected Sequence Listing
 ; Patent No. 6576742
 ; CURRENT APPLICATION NUMBER: US/09/389-487
 ; CURRENT FILING DATE: 1999-09-03
 ; EARLIER APPLICATION NUMBER: US 08/650,766
 ; EARLIER FILING DATE: 1996-05-20
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6
 ; LENGTH: 651
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-389-487-6

Query Match 6.7%; Score 97.5; DB 4; Length 651;
 Best Local Similarity 23.0%; Pred. No. 0.29;
 Matches 59; Conservative 30; Mismatches 99; Indels 69; Gaps 12;

Qy 44 GQEGVSATVPCISPELLAHLGAMAHAPQPLPMLRVLKRVSGASVAPAPBESFEWV 103
 Db 61 GGEDSRLSAPCIRPSSSPPTVAASASIPQPIL-----SNOGIMFVQEALASS 110

Qy 104 LEQATEIVKE-WPTEAKKRWLAEISLRG-PA-----LDMHIVQADNPSISVECL 153
 Db 111 LSSTDSDLTBPQIAQG-----CSDSLEIPIAGOAASDDLRLDVGAVGASP----EHA 160

Qy 154 EAQKQVF--GSLSRSRRTAQVRLKTYQEGEYKVSAYVIRLETLLRKAVKDAIPRRYAD 210
 Db 161 EPEYQVVPSPGSQQLIFLPFTCIGTATNQ-----FICRLSTLIRQAE-RQLP----207

Qy 211 QVRLEQVMAGATINQMLWCRLLRELDQGPPSFLELMKVIREEEEAESPENESIE---266
 Db 208 -----ANVLEAANQREEGGEQGEEB--EDEEEEEEVDAAENRYFEMGPP 248

Qy 267 EPEERDGYGRWNHGGDD 283
 Db 249 DVEEEEGGQQGEEEEE 265

RESULT 9
 US-08-922-635-5
 ; Sequence 5, Application US/08922635A
 ; Patent No. 6033871
 ; GENERAL INFORMATION:
 ; APPLICANT: PILTZ, John E.
 ; INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEIVING POLYPEPTIDES
 ; TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEIVING POLYPEPTIDES
 ; FILE REFERENCE: Corrected Sequence Listing
 ; Patent No. 6033871
 ; CURRENT APPLICATION NUMBER: US/08/922,635A
 ; CURRENT FILING DATE: 1997-09-03
 ; EARLIER APPLICATION NUMBER: 08/650,766
 ; EARLIER FILING DATE: 1996-05-20
 ; EARLIER APPLICATION NUMBER: 60/012,600
 ; EARLIER FILING DATE: 1996-03-01
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 5
 ; LENGTH: 651
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-08-922-635-5

Query Match 6.7%; Score 97.5; DB 3; Length 651;
 Best Local Similarity 23.0%; Pred. No 0.29;
 Matches 59; Conservative 30; Mismatches 99; Indels 69; Gaps 12;

Qy 44 GQEGVSATVPCISPELLAHLGAMAHAPQPLPMLRVLKRVSGASVAPAPBESFEWV 103
 Db 61 GGEDSRLSAPCIRPSSSPPTVAASASIPQPIL-----SNOGIMFVQEALASS 110

Qy 104 LEQATEIVKE-WPTEAKKRWLAEISLRG-PA-----LDMHIVQADNPSISVECL 153
 Db 111 LSSTDSDLTBPQIAQG-----CSDSLEIPIAGOAASDDLRLDVGAVGASP----EHA 160

Qy 154 EAQKQVF--GSLSRSRRTAQVRLKTYQEGEYKVSAYVIRLETLLRKAVKDAIPRRYAD 210
 Db 161 EPEYQVVPSPGSQQLIFLPFTCIGTATNQ-----FICRLSTLIRQAE-RQLP----207

Qy 211 QVRLEQVMAGATINQMLWCRLLRELDQGPPSFLELMKVIREEEEAESPENESIE---266
 Db 208 -----ANVLEAANQREEGGEQGEEB--EDEEEEEEVDAAENRYFEMGPP 248

Qy 267 EPEERDGYGRWNHGGDD 283
 Db 249 DVEEEEGGQQGEEEEE 265

RESULT 11
 US-09-385-173B-51
 ; Sequence 51, Application US/09585173B
 ; Patent No. 6570063
 ; GENERAL INFORMATION:
 ; APPLICANT: Butler, Karlene
 ; INVENTION: Magnesium Chelatase
 ; FILE REFERENCE: BB1370 US NA
 ; CURRENT APPLICATION NUMBER: US/09/585,173B
 ; CURRENT FILING DATE: 2000-06-01
 ; PRIOR APPLICATION NUMBER: US 60/137,461
 ; PRIOR FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: Microsoft Office 97
 ; SEQ ID NO 51
 ; LENGTH: 754
 ; TYPE: PRT
 ; ORGANISM: Pisum sativum
 US-09-585-173B-51

Db	1052	EVLKLFPKVSPVSPLNSYGEWLH	1074
Query Match	6.5%;	Score 95; DB 4; Length 754;	
Best Local Similarity	22.0%;	Pred. No. 0.66;	
Matches	60;	Conservative 42; Mismatches 97; Indels 74; Gaps 11;	
Qy	20	EFLERLNLPFLKEGOTVSGMFRALGOEGYS-----PATVPCISPE----LLAHUJGOAMA	70
Db	223	EGISNLNLNVLTLEGNI-----VEREGISFRHPCPRLIATYNDEGSTREHLDRIAI	276
Qy	71	HAPQPLPMPWYRKLRVFGSSAVAPPE-----ESFEVWLEQATEIVKEMPTE	118
Db	277	NLSAD-LPNSRENVREAVGATIAGTODFNDNCGQFYKNVDEDNTAQKTOILARAYLKDVTISK	335
Qy	119	AEKWRWLAESLRGPALDLMHQADNPSISVEECLAEFKQVFGSLESRRTAQVRYLKTVQ	178
Db	336	EQLXLYVLIENLRGGVQG-H-RAELYAAVRACKLAA-----LEGRE-----KVYV	377
Qy	179	EEGEKVSATVLRLETLLRKAVEKRAIPRTADYVRLQEOYAGATLNQMLWCRLEBLKDQG	238
Db	378	DD-----LKGAVELVLPRLPRSLITDTPPEQ-----QNOPPPPPP 409	1560
Qy	239	PPPSFLELMKVKIREEEEEESEFENESIEEBER	271
Db	410	PPQNQESNEEQNQEEEQEEEEEODDNEEQ 442	1560;
Qy	12	US-0-9-949-016-7561	Score 94; DB 4; Length 1560;
Db	7561	Sequence 7561, Application US/0949016	6.4%;
Qy	1	Patent No. 6812339	Best Local Similarity 22.0%; Pred. No. 2.5; Gaps 16;
Db	410	GENERAL INFORMATION:	Matches 82; Conservative 40; Mismatches 121; Indels 130; Gaps 16;
Qy	2	APPLICANT: VENTER, J. Craig et al.	
Db	460	TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF	
Qy	3	FILE NUMBER: CL001307	
Db	520	CURRENT FILING DATE: 2000-04-14	
Qy	4	PRIOR FILING DATE: 2000-10-20	
Db	580	PRIOR APPLICATION NUMBER: 60/241,755	
Qy	5	PRIOR FILING DATE: 2000-10-03	
Db	520	PRIOR APPLICATION NUMBER: 60/231,498	
Qy	6	PRIOR FILING DATE: 2000-09-08	
Db	640	NUMBER OF SEQ ID NOS: 207012	
Qy	7	SOFTWARE: FastSEQ for Windows Version 4.0	
Db	700	SEQ ID NO 7561	
Qy	8	LENGTH: 13.07	
Db	759	TYPE: PRT	
Qy	9	ORGANISM: Human	
Db	759	us-0-9-949-016-7561	
Qy	14	RESULT 14	
Db	845	US-0-8-556-419-25	
Qy	152	Sequence 25, Application US/08556419C	
Db	882	GENERAL INFORMATION:	
Qy	189	APPLICANT: Ross, Christopher	
Db	942	APPLICANT: Li, Xiao-Jiang	
Qy	190	APPLICANT: Li, Shi-Hua	
Db	942	APPLICANT: Sharp, Alan	
Qy	191	APPLICANT: Lanahan, Anthony	
Db	942	APPLICANT: Worley, Paul	
Qy	192	APPLICANT: Snyder, Solomon	
Db	942	TITLE OF INVENTION: Huntingtin-associated protein	
Qy	193	CURRENT APPLICATION NUMBER: 01107-52271	
Db	994	CURRENT FILING DATE: 1995-11-09	
Qy	194	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	195	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	196	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	197	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	198	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	199	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	200	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	201	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	202	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	203	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	204	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	205	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	206	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	207	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	208	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	209	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	210	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	211	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	212	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	213	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	214	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	215	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	216	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	217	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	218	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	219	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	220	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	221	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	222	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	223	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	224	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	225	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	226	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	227	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	228	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	229	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	230	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	231	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	232	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	233	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	234	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	235	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	236	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	237	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	238	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	239	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	240	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	241	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	242	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	243	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	244	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	245	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	246	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	247	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	248	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	249	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	250	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	251	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	252	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	253	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	254	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	255	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	256	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	257	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	258	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	259	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	260	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	261	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	262	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	263	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	264	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	265	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	266	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	267	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	268	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	269	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	270	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	271	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	272	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	
Qy	273	NUMBER OF SEQ ID NOS: 25	
Db	994	SOFTWARE: FastSEQ for Windows Version 3.0	

; SEQ ID NO: 25
 ; LENGTH: 331
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-08-556-419-25

Query Match 6.4%; Score 93.5; DB 3; Length 331;
 Best Local Similarity 22.6%; Pred. No. 0.27;
 Matches 53; Conservative 40; Mismatches 85; Indels 57; Gaps 11;

Query 54 PCISPELLIAH-LIGQAMAHAPQPLPMYRKLVRFSSAVAPEEESEFWLEQATEIV 111
 Db 44 PCDAFKLPSQELAHQ--HHCPQ -LEALQEKRLL-----EEHQL-REBASQ-- 88

Qy 112 KEWPTEAKRKKWVLAESLRGPALDLIMHIQADNPSISVECLAFKQVFGSLESRRTAQV 171
 Db 89 -----DTLE-----DEFQMLITECVOSEASQMAELSEV 122

Qy 172 RYLTY--QEGEGRKVASVRLRLTLLR-----KAVERKRAPIPRRIADQVRLEQWMAG- 220
 Db 123 IRLNEYERQQEVARLQRQVTKLQORCRMTGAEDEKLQQLAEKEIQNLQEEETLFGF 182

Qy 2221 -ATLNQMLMCRLRELKDQGPPSPFELMVKVIREBEEEAASFENESIEPDEBERGY 274
 Db 183 QETLAEBELTSLRMISD--PVYEMERNYEMPRGDTSRYDFRYSEDREQVRGF 235

RESULT 15

US-07-853-913-2
 Sequence 2, Application US/07853913
 Patent No. 5338839

GENERAL INFORMATION:
 APPLICANT: McKay, Ronald D.G.
 APPLICANT: Lendahl, Urban
 TITLE OF INVENTION: Nestin Expression As An Indicator of
 TITLE OF INVENTION: Neuroepithelial Tumors
 NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02173

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/853, 913
 FILING DATE: 1992-03-19
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/660, 412
 FILING DATE: 1991-02-22

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/180, 548
 FILING DATE: 1990-10-25

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/201, 762
 FILING DATE: 1988-06-02

TELECOMMUNICATION INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 TELEPHONE: 617-861-6240
 TELEX/FAX: 617-861-9540

SEQUENCE CHARACTERISTICS:
 LENGTH: 1805 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-853-913-2

Query Match 6.4%; Score 93; DB 1; Length 1805;
 Best Local Similarity 22.8%; Pred. No. 4.1;
 Matches 68; Conservative 35; Mismatches 137; Indels 58; Gaps 10;
 Query 15 PNQDETEFLERLNLFLEKEQGTYSGMFRALGQEGVSATVPCISPEELAHLGQAMAHAPQ 74
 Db 664 PGAEQMLERL---VEKDQSFRSPRSPEBDQACRPLQKENQPLGYBAEGOILE--- 716

Query 75 PLIDMRPKRKLRLVSGSAYVAPPEEESEFWLEQATEIVKWPTEAKR-----KRWIAE 127
 Db 717 -----NLIEKESQESLRSPEEDOEAGRSLQKENQPLGYBEAEDQMLERLIEKESQE 769

Query 128 SLRSPALDLMHTVQADNPSISVEBCLEAFKQVFGSLESRRTAQVRLTYQERG----- 181
 Db 770 SLKSPBPENQRIGKPLERINQKSLRYLLENQETTVPLERNQRPLRSLEVEEFBQIVKPL 829

Query 182 EKVSAVYLLETILRKAVEKRALPRITADQVRLEQWMAGTLNQMLNCRLELKDG----- 238
 Db 830 EKV-----QDSLSGLAENVOPRLYEE--DDCINSLLEDKTHKSLGSLEDRNGDS 880

Query 239 -----PPPSFILEMKVIRBEEEEEFAFENESIEPFE--ERDGCGRMWHE 280
 Db 881 IIIIPQESETQVSURPPE--EDQRVNHLKESQFSRSSEEEQMMERSLEGE-NHE 935

Search completed: August 26, 2005, 16:50:25
Job time : 22.3397 secs

Result No.	Score	Query Match	Length	DB ID	Description
1	1462	100.0	283	13	US-10-037-860-11
2	1459	99.8	364	13	US-10-037-860-11
3	755	51.6	149	13	US-10-037-860-9
4	628	43.0	353	9	US-09-965-529-7
5	628	43.0	353	20	US-09-969-680A-7
6	618.5	43.0	353	20	US-11-038-692-7
7	618.5	42.3	463	13	US-10-037-860-13
8	597	40.8	452	16	US-10-408-765A-2385
9	596.5	40.8	351	9	US-09-965-529-1
10	596.5	40.8	351	10	US-09-804-014A-16
11	596.5	40.8	351	10	US-09-969-680A-1

% SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#

Result No. Score Query Match Length DB ID Description

1 1462 100.0 283 13 US-10-037-860-11 Sequence 11, Appli

2 1459 99.8 364 13 US-10-037-860-11 Sequence 3, Appli

3 755 51.6 149 13 US-10-037-860-9 Sequence 9, Appli

4 628 43.0 353 9 US-09-965-529-7 Sequence 7, Appli

5 628 43.0 353 20 US-09-969-680A-7 Sequence 7, Appli

6 618.5 43.0 353 20 US-11-038-692-7 Sequence 13, Appli

7 618.5 42.3 463 13 US-10-037-860-13 Sequence 238, Ap

8 597 40.8 452 16 US-10-408-765A-2385 Sequence 1, Appli

9 596.5 40.8 351 9 US-09-965-529-1 Sequence 16, Appli

10 596.5 40.8 351 10 US-09-804-014A-16 Sequence 1, Appli

11 596.5 40.8 351 10 US-09-969-680A-1 Sequence 1, Appli

RESULT 1

US-10-037-860-11

; Sequence 11, Application US-10037860

; Publication No. USC0020123114A1

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; ATTORNEY: Joseph O. Rosenthal

; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

; FILE REFERENCE: 2581-1004-004

; CURRENT APPLICATION NUMBER: US-10/037-860

; CURRENT FILING DATE: 2001-01-04

; PRIOR APPLICATION NUMBER: 09/189,527

; PRIOR FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 283

; TYPE: PRT

; ORGANISM: homo sapiens

US-10-037-860-11

Query Match 100.0%; Score 1462; DB 13; Length 283;

Best Local Similarity 100.0%; Pred. No. 3.1e-120;

Matches 283; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VQGKGWKVIFKTPNODTEFLNLFLKEGTIVSGMFLALGQGSVSPATVPCSPTEL 60

Ds 1 VQGKGWKVIFKTPNODTEFLNLFLKEGTIVSGMFLALGQGSVSPATVPCSPTEL 60

61 LAHLLGQAMAHAPQPILPMPYRKLRVFGSGAVAPBEESEFWLEDATEIVKEMPTEAE 120

61 LAHLLGQAMAHAPQPILPMPYRKLRVFGSGAVAPBEESEFWLEDATEIVKEMPTEAE 120

ALIGNMENTS

1767149 residues

Total number of hits satisfying chosen parameters:

1767149

Scoring table: BLASTM22

Gapext 0.5

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpa/PC7_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpa/US06_NEWPUB.pep:*

4: /cgn2_6/ptodata/1/pubpa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/1/pubpa/PC7US_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubpa/PC7US_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubpa/US08_NEWPUB.pep:*

8: /cgn2_6/ptodata/1/pubpa/US09A_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pubpa/US09_NEWPUB.pep:*

13: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpa/US10D_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pubpa/US10E_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubpa/US10F_PUBCOMB.pep:*

19: /cgn2_6/ptodata/1/pubpa/US11A_PUBCOMB.pep:*

20: /cgn2_6/ptodata/1/pubpa/US11_NEWPUB.pep:*

21: /cgn2_6/ptodata/1/pubpa/US60_NEWPUB.pep:*

22: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep:*

RESULTS 1

US-10-037-860-11

; Sequence 11, Application US-10037860

; Publication No. USC0020123114A1

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; ATTORNEY: Joseph O. Rosenthal

; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

; FILE REFERENCE: 2581-1004-004

; CURRENT APPLICATION NUMBER: US-10/037-860

; CURRENT FILING DATE: 2001-01-04

; PRIOR APPLICATION NUMBER: 09/189,527

; PRIOR FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 283

; TYPE: PRT

; ORGANISM: homo sapiens

US-10-037-860-11

Query Match 100.0%; Score 1462; DB 13; Length 283;

Best Local Similarity 100.0%; Pred. No. 3.1e-120;

Matches 283; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VQGKGWKVIFKTPNODTEFLNLFLKEGTIVSGMFLALGQGSVSPATVPCSPTEL 60

Ds 1 VQGKGWKVIFKTPNODTEFLNLFLKEGTIVSGMFLALGQGSVSPATVPCSPTEL 60

61 LAHLLGQAMAHAPQPILPMPYRKLRVFGSGAVAPBEESEFWLEDATEIVKEMPTEAE 120

61 LAHLLGQAMAHAPQPILPMPYRKLRVFGSGAVAPBEESEFWLEDATEIVKEMPTEAE 120

RESULT 3
 US-10-037-860-9
 ; Sequence 9, Application US/10037860
 ; Publication No. US20020123114A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfield
 ; TITLE OF INVENTION: FAMILY POLYPEPTIDES AND ANTI-MA
 ; FILE REFERENCE: 2581.1004-004
 ; CURRENT APPLICATION NUMBER: US10/037,860
 ; CURRENT FILING DATE: 2001-01-04
 ; PRIOR APPLICATION NUMBER: 09/189,527
 ; PRIOR FILING DATE: 1998-11-10

Qy 121 KKRNLAESLRGPALDLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQE 180
 Db 121 KKRNLAESLRGPALDLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQE 180
 Qy 181 GEKVSAYVRLRKLAVKEKRAAPRRIADQVRLEQVNMGATINQMLWCRRELKDQCP 240
 Db 181 GEKVSAYVRLRKLAVKEKRAAPRRIADQVRLEQVNMGATINQMLWCRRELKDQCP 240
 Db 241 PSFELMKVIREEEEAASFENESTEEPEPERDGYGRWNHEGDD 283
 Db 241 PSFELMKVIREEEEAASFENESTEEPEPERDGYGRWNHEGDD 283

Query Match 51.6%; Score 755; DB 13; Length 149;
 Best Local Similarity 9.7%; Pred. No. 2.3e-58;
 Matches 147; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 135 DLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQEGBKVSAVYVLRETL 194
 Db 1 DLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQEGBKVSAVYVLRETL 60

Qy 195 LRAVKEKRAAPRRIADQVRLEQVAGATLNQMLWCRRELKDQPPSFLEIMKVIREEE 254
 Db 61 LRAVKEKRAAPRRIADQVRLEQVAGATLNQMLWCRRELKDQPPSFLEIMKVIREEE 120

Qy 255 REFAASFENESTEEPEPERDGYGRWNHEGDD 283
 Db 121 REFAASFENESTEEPEPERDGYGRWNHEGDD 149

RESULT 4
 US-09-965-529-7
 ; Sequence 7, Application US/09965529
 ; Publication No. US20020182671A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Yub, Henry
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Burford, Neill
 ; APPLICANT: Azimzai, Yalda
 ; APPLICANT: Baughn, Mariah R.
 ; APPLICANT: Lu, Duying Anna M.
 ; APPLICANT: Patterson, Chandra
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; FILE REFERENCE: PP-0731 USA
 ; CURRENT APPLICATION NUMBER: US/09/965,529
 ; CURRENT FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 ; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 ; NUMBER OF SEQ ID NOS: 74
 ; SOFTWARE: PERL program
 ; SEQ ID NO 7
 ; LENGTH: 353
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE: misc feature
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1

Qy 1 VQGKGGWVKVIFKTPNQDFBLERUNLFLKEGTQVSGMFRALQEGVSPATVPCISP 60
 Db 82 VQGKGGWVKVIFKTPNQDFBLERUNLFLKEGTQVSGMFRALQEGVSPATVPCISP 141
 Qy 61 LAHLIGQAMAHAAPOPLPMPYRKLRVFSGSVAPAEPEESFEVWLEQATEIVKWPVTEAE 120
 Db 142 LAHLIGQAMAHAAPOPLPMPYRKURVFSGSVAPAEPEESFEVWLEQATEIVKWPVTEAE 201
 Qy 121 KKRNLAESLRGPALDLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQE 180
 Db 202 KKRNLAESLRGPALDLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQE 261
 Qy 181 GEKVSAYVRLRKLAVKEKRAAPRRIADQVRLEQVNMGATINQMLWCRRELKDQCP 240
 Db 262 GEKVSAYVRLRKLAVKEKRAAPRRIADQVRLEQVNMGATINQMLWCRRELKDQCP 321
 Qy 241 PSFELMKVIREEEEAASFENESTEEPEPERDGYGRWNHEGDD 283
 Db 322 PSFELMKVIREEEEAASFENESTEEPEPERDGYGRWNHEGDD 364

Query Match 43.0%; Score 628; DB 9; Length 353;
 Best Local Similarity 4.9%; Pred. No. 1.e-46;
 Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;

Qy 3 GKGCGWVKVIFKTPNQDFBLERUNLFLKEGTQVSGMFRALQEGVSPATVPCISP 62
 Db 83 GKGCGWVKVIFKTPNQDFBLERUNLFLKEGTQVSGMFRALQEGVSPATVPCISP 138

Qy 63 HLGQAMAHAAPOPLPMPYRKLRVFSGSVAPAEPEESFEVWLEQATEIVKWPVTEAK 121
 Db 139 EMLYNVIDNVIQPLVESIWKRNLTSFSDRDIPSPGEETFDPMLEHTNEVLEBQVSDYEV 198

Qy 122 KRNLAESLRGPALDLMHIVQADNPSISVEECLAEAKFQVFGSLESRTAQVRLKTYQE 181
 Db 199 RRRLMSELRGPADWIRLKSNPAITAECLKALEYQVFGSVESSRDAQIKFLNTYQNPQ 258

Qy 182 EKVSYAVLRLKRAVEKRAAPRRIADQVRLEQVMAGA ---TANOMLWCRRLKQD 237

RESULTS 5

259 EKISAYVRLPEPLQKVKGALDKDNVYQARLEQVAGANHSGAIRQLWL---TGAGE 315
 218 GPPPSFELMKVYTREEBEASENES 264
 216 GPAPNLFOLVLQTREEBEASENEA 342

GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y.; Tom; BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dvung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: US/0996 9680A
 CURRENT APPLICATION NUMBER: US/20030124649A1
 CURRENT FILING DATE: 2001-10-02
 PRIORITY APPLICATION NUMBER: US/00/22315
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No: 2483172CD1
 SEQ ID NO: 7

Query Match Score 628; DB 20; Length 353;
 Best Local Similarity 47.9%; Pred. No. 1..1e-46;
 Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;

3 GKGGVWVKTIFKPNQDTEFLERLNFLKEGOTVSGMFRALGEGVSATPCISPELLA 62
 83 GKGGVWVKTIFKPNQDTEFLERLNFLKEGOTVSGMFRALGEGVSATPCISPELLA 62

Qy 3 KHLQAMAHAPQPLL-PMRYRKLRVEFGSAYAAPBEESEFWLEQATEBKVKMPVTEAKF 121
 Db 83 HLLQAMAHAPQPLL-PMRYRKLRVEFGSAYAAPBEESEFWLEQATEBKVKMPVTEAKF 121

Qy 63 EMNYTLDNVIQPLVESIWKRLTLFSGRDLPGPGETFDPMLEHTNEVLEEMQVSDYEVK 198
 Db 139 EMNYTLDNVIQPLVESIWKRLTLFSGRDLPGPGETFDPMLEHTNEVLEEMQVSDYEVK 198

Qy 122 KRWLAESLRGPALDLMHIVQADNPISIVECLEAFKOVFGSLESRITAQVRVLTQYQEG 181
 Db 199 RRLMESLRGPADVIRLKSNPAITAECLKALEQVFGSYESSRDAQIKELNTYQNPQ 258

Qy 182 EKVSAYVRLTLLRKAVKRAIPRIADQVRLQMA---TLNQMLWCRLLRELKQD 237
 Db 259 EKVSAYVRLTLLRKAVKRAIPRIADQVRLQMA---TLNQMLWCRLLRELKQD 237

Qy 63 HLLQAMAHAPQPLL-PMRYRKLRVEFGSAYAAPBEESEFWLEQATEBKVKMPVTEAKF 121
 Db 139 EMNYTLDNVIQPLVESIWKRLTLFSGRDLPGPGETFDPMLEHTNEVLEEMQVSDYEVK 198

Qy 122 KRWLAESLRGPALDLMHIVQADNPISIVECLEAFKOVFGSLESRITAQVRVLTQYQEG 181
 Db 199 RRLMESLRGPADVIRLKSNPAITAECLKALEQVFGSYESSRDAQIKELNTYQNPQ 258

Qy 182 EKVSAYVRLTLLRKAVKRAIPRIADQVRLQMA---TLNQMLWCRLLRELKQD 237
 Db 259 EKVSAYVRLTLLRKAVKRAIPRIADQVRLQMA---TLNQMLWCRLLRELKQD 237

Qy 238 GPPPSFELMKVYTREEBEASENES 264
 Db 316 GPAPNLFOLVLQTREEBEASENEA 342

RESULT 6

259 EKISAYVRLPEPLQKVKGALDKDNVYQARLEQVAGANHSGAIRQLWL---TGAGE 315
 218 GPPPSFELMKVYTREEBEASENES 264
 216 GPAPNLFOLVLQTREEBEASENEA 342

GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y.; Tom; BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dvung Aina M.
 APPLICANT: BAUGHN, Mariah R.; LU, Dvung Aina M.

Query Match Score 618.5; DB 13; Length 463;
 Sequence 7, Application US/1104 8692
 Publication No. US/2005/0123990A1
 GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y.; Tom; BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dvung Aina M.

Query Match 42.3%; Score 618.5; DB 13; Length 463;

Best Local Similarity 50.2%; Pred. No 1.1e-45;
Matches 135; Conservative 44; Mismatches 85; Indels 5; Gaps 3;

RESULT 9
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YOB, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neill
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BRUGHIN, Marin R.
; APPLICANT: LU, Duyang Aina M.
; APPLICANT: PATERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match 40.8%; Score 596.5; DB 9;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VQGKGGWVKTPIKPNODTEFLERNLFLKEGTVSGMFRALGQEGVSPATVPCISPEL 60
Db 82 IPGKGPPNFWIKRKLVRFLPQLVNRKNSDGEFLNRLNRFTEEERTVSDMNRVLGSDTNCSAPRTVTSPEF 141

Qy 61 LAHLGQAMAHAPOLL-PNRYRKLRVFSGSAVPAAPEESFEVYQATEIVKWPVTE 119
Db 142 WT--WAQTGAAVQVLLBMLYRLRVLVSGNTISIPGALAFDAWLEHTTEMLOMQVPEG 199

Qy 120 EKKRWAESLURGPALDLMIHVOADNPNSIVEECLBAFKQFGSLESRTAQVRLKTYQE 179
Db 200 EKRRLMECLRGPAQVGLRASNASITVEECLAAQVFGPVEISHKIAQVRLKAYQE 259

Qy 180 EGERTUSAYVRLRFLRKAVETKAPRRAQDQVRLQEQMAGATINQMLWCRLELKDOG 239
Db 260 AGEKVSFVRLRLEPLQVRAVENNVYVSRNNVOTPLKRVLSGATLPDKLRLKLMKQRK 319

Qy 240 PPSFLELMVKIREBEEEEAAS--ENESTIE 266
Db 320 PPGFLALVKLRLREBEEWEATLGPDRESLE 348

RESULT 8
US-10-408-765A-2385
; Sequence 285, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2385

Query Match 40.8%; Score 597; DB 16; Length 452;
Best Local Similarity 46.3%; Pred. No. 8.5e-44;
Matches 132; Conservative 48; Mismatches 79; Indels 26; Gaps 5;

Qy 1 VQGKGGWVKTPIKPNODTEFLERNLFLKEGTVSGMFRALG----QEGVSPATVPC 55
Db 86 IPGKGGSWEVVKPRNPDPDEFLSLRNLNFKDEGRSMTDVARALGCCSLPESLDAEVMPQ 145

RESULT 10
US-09-804-014A-16
; Sequence 16, Application US/09804014A
; Publication No. US2003006489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Murali Dhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkeets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15666-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24

Qy 56 I-SPILLAHGQAMAHAPOLLPMRYRKLRVFSGSAVAAPEESFEVYQATEIVKWPVTE 114
Db 146 VRSPPL-----EPPKESMWIKRKLVRFLPQLVNRKNSDGEFLNRLNRFTEEERTVSDMNRVLGSDTNCSAPRTVTSPEF 193

Qy 115 PVTAEKKRWAESLRGPAQDLMHVOADNPNSIVEECLBAFKQFGSLESRTAQVRL 174
Db 194 QVSEVEKRRLLESLRGPAQDLMHVOADNPNSIVEECLBAFKQFGSLESRTAQVRL 253

Qy 175 KTYQEGEKVSYAVVRLRFLRKAVETKAPRRAQDQVRLQEQMAGATINQMLWCRLEL 234
Db 254 OTSPKIGEKVSTFLRLEPLQVAKVHSPLSVRSTDMLKHLARVMTPALRKCLEL 313

Qy 235 KDOGCPPSPFLMLKVIREEE---EAEASENESEEPERDGYT 276
Db 314 DQRGCPPNFFELMLKJIRDREEEWEAVMKNK---EKPSGRER 353

PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 16
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-804-01A-16

Query Match 40.8%; Score 596.5; DB 10; Length 351;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VOGKGGYWKVIFKTPNQDTEFLERLNLFLEKEGTVSGMFRALGQEGVSATVPCISPTEL 60
Db 82 IPGKGGYWVTKPPPDNTFSRLNEFLAGEMTGYGELSRALGHENGSLDEQGMIPEM 141.
Qy 61 LAHLIGOAMAHAPOLLP-MYRKLRVFGSGAVPAPBESFVWLEQATEIVKEWPYTEA 119
Db 142 WAPMLAQAL-EALQPALQCLVKYKLRFVSGRESPEGEFFGRMMFTTOMIKAWQVPDV 200.
Qy 120 EKKRWLAESLRGPALDVFIRVLKINNPPLITVDECLQALEEVFGVTDNPRELVQYLTYQK 200.
Db 201 EKRRRLIESLRGPALDVFIRVLKINNPPLITVDECLQALEEVFGVTDNPRELVQYLTYQK 260
Qy 180 EGEKVSAYVLRLETLLRKAVERKRAIPRRIADQVRLQVAGMAGA--TINQMLWCRLRELKD 236
Db 261 DEEKLASAYVLRLEPLQKLVORGAIERDAVNQARLQVAGVHKTIREL---NLPE 315

RESULT 12
US-10-341-434-10
; Sequence 10, Application US/10341434
; Publication No. US20030215855A1
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; FILE REFERENCE: 9U 204 205 R1
; CURRENT APPLICATION NUMBER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIORITY APPLICATION NUMBER: US 60/348,164
; PRIORITY FILING DATE: 2002-01-15
; PRIORITY APPLICATION NUMBER: US 60/348,119
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 10
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-341-434-10

Query Match 40.8%; Score 596.5; DB 15; Length 351;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VOGKGGYWKVIFKTPNQDTEFLERLNLFLEKEGTVSGMFRALGQEGVSATVPCISPTEL 60
Db 82 IPGKGGYWVTKPPPDNTFSRLNEFLAGEMTGYGELSRALGHENGSLDEQGMIPEM 141.
Qy 61 LAHLIGOAMAHAPOLLP-MYRKLRVFGSGAVPAPBESFVWLEQATEIVKEWPYTEA 119
Db 142 WAPMLAQAL-EALQPALQCLVKYKLRFVSGRESPEGEFFGRMMFTTOMIKAWQVPDV 200.
Qy 120 EKKRWLAESLRGPALDVFIRVLKINNPPLITVDECLQALEEVFGVTDNPRELVQYLTYQK 260
Db 201 EKRRRLIESLRGPALDVFIRVLKINNPPLITVDECLQALEEVFGVTDNPRELVQYLTYQK 260
Qy 180 EGEKVSAYVLRLETLLRKAVERKRAIPRRIADQVRLQVAGMAGA--TINQMLWCRLRELKD 236
Db 261 DEEKLASAYVLRLEPLQKLVORGAIERDAVNQARLQVAGVHKTIREL---NLPE 315

RESULT 11
US-09-369-680A-1
; Sequence 1, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Presti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDI, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyoung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US09/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO: 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

RESULT 13
 US-11-048-692-1 Sequence 1, Application US/11048692
 ; Publication No. US2005123990A1
 GENERAL INFORMATION:
 ; APPLICANT: LAL, Preeti; YUE, Henry
 ; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 ; APPLICANT: BAUGHN, Mariah R.; IU, Dyung Aina M.
 ; APPLICANT: PATTERTON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731-1 USA
 CURRENT APPLICATION NUMBER: US/11/048, 692
 CURRENT FILING DATE: 2005-02-02
 PRIOR APPLICATION NUMBER: US/09/969, 680
 PRIOR FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: US/09/22315
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149, 641
 PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: 60/164, 203
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SEQ ID NO 1
 LENGTH: 351
 SOFTWARE: PERL Program
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No: 112301CD1
 US-11-048-692-1
 Query Match 40.8%; Score 596.5; DB 20; Length 351;
 Best Local Similarity 48.3%; Fred. No. 6.7e-44;
 Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;
 Qy 1 VQKGGYWKVIFKTPNQDTFLERLNLFLEKEGTVTSGMFALGQGVSPATVPCISPTEL
 Db 82 IPGKGIGIWRVTPKPPDPNTLSRNLNEPLAEGMVYGEISALIGHNSLDEQGMIPM 141
 Qy 61 LAHLIGQAMAHAAPOPLP-MRYRKLRVFGSGAVPAPEESEFWILEQATEIVKEMPTVEAK 119
 Db 142 WAPMLAQAL-BALQPAQCLXKICRVSFGSGESPEEGEEGRWMPHTTONIKAWQPDV 200
 Db 120 EKKRMLAESLFGPDLHIVQADNPSSVECLEAKQFGSLESBRTAVQRLTYQE 179
 Qy 201 EKRRLLESLGPALDPIVRKINPLITVDECLQALEEVGTNDPRLQKVLYTQK 260
 Db 180 EGKYSAYVLELETLRKAVEKRAIPRIADQVRLQVMAGA--TNQMMCRLEBLKD 236
 Qy 261 DEEKASAYVLEPLQLQVQGAIRDVNAQARDQVIAVAKHTIRREL ---NLPF 315
 Db 237 OGPPPSFLMKVIRE--EEEEEAA 258
 Qy 316 DGPAPGFLQLLVLIQDYEAAEEEA 340
 Db 122 KRMIAESLRGPALDMLHVQADNPSSVEECUFLAKQFGSLESRTAQVRLTYQE 181
 Db 199 RRLMESIQRGPADDVIRLKSNNPAITAECQLAKEQFGSVESRSRDAQJFKFLNTYQNGP 258
 Qy 182 EKYSAYVRLTLELRKAVEKRAIPRIADQVRLQVMAGA---TNQMMCRLEBLKDQ 237
 Db 259 EKLSSAYVRLPPLQVYKEKGALDKDNQNQARLEQVIAHNSGARRQWL---TGAGE 315
 ;
 RESULT 14
 US-10-037-860-7 Sequence 7, Application US/10037860
 ; Publication No. US2002123114A1
 GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 TITLE OF INVENTION: ANTI-MALARIAL POLYPEPTIDES AND ANTI-MALARIAL ANTIBODIES
 FILE REFERENCE: 2581.1004-004
 CURRENT FILING DATE: 2001-01-04
 PRIORITY: 1998-11-10
 NUMBER OF SEQ ID NOS: 14
 SEQ ID NO 7
 LENGTH: 195
 TYPE: PRT
 ORGANISM: homo sapiens
 US-10-037-860-7
 Query Match 40.6%; Score 593; DB 13; Length 195;
 Best Local Similarity 98.3%; Fred. No. 6.1e-44;
 Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 VQKGGYWKVIFKTPNQDTFLERLNLFLEKEGTVTSGMFALGQGVSPATVPCISPTEL 60
 Db 81 VQKGGYWKVIFKTPNQDTFLERLNLFLEKEGTVTSGMFALGQGVSPATVPCISPTEL 140
 Qy 61 LAHLIGQAMAHAAPOPLP-MRYRKLRVFGSGAVPAPEESEFWILEQATEIVKEMP 115
 Db 141 LAHLIGQAMAHAAPOPLP-MRYRKLRVFGSGAVPAPEESEFWILEQATEIVKEMP 195
 ;
 RESULT 15
 US-10-037-860-4 Sequence 4, Application US/10037860
 ; Publication No. US2002123114A1
 GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 TITLE OF INVENTION: ANTI-MALARIAL POLYPEPTIDES AND ANTI-MALARIAL ANTIBODIES
 FILE REFERENCE: 2581.1004-004
 CURRENT FILING DATE: 2001-01-04
 PRIORITY: 1998-11-10
 NUMBER OF SEQ ID NOS: 14
 SEQ ID NO 4
 LENGTH: 860
 TYPE: PRT
 ORGANISM: homo sapiens
 US-10-037-860-4
 Query Match 38.6%; Score 564; DB 13; Length 329;
 Best Local Similarity 47.0%; Fred. No. 4.4e-41;
 Matches 117; Conservative 47; Mismatches 73; Indels 12; Gaps 4;
 Qy 3 GKGGYWKVIFKTPNQDTFLERLNLFLEKEGTVTSGMFALGQGVSPATVPCISPTEL 62
 Db 83 GKGGYWKVIFKPKTSDAFLERLHLFLAREGNTVQDVARVLGFONPTPTP---GPEMPA 138
 Qy 63 HLLGQAMAHAAPOPLP-MRYRKLRVFGSGAVPAPEESEFWILEQATEIVKEMPTVEAK 121
 Db 139 EMNYILDNVIQPLIVESIWKRLTFSKGHPRAWRGNFDPWLEHTNEVQSYDVEK 198
 Qy 122 KRMIAESLRGPALDMLHVQADNPSSVEECUFLAKQFGSLESRTAQVRLTYQE 181
 Db 199 RRLMESIQRGPADDVIRLKSNNPAITAECQLAKEQFGSVESRSRDAQJFKFLNTYQNGP 258
 Qy 182 EKYSAYVRLTLELRKAVEKRAIPRIADQVRLQVMAGA---TNQMMCRLEBLKDQ 237
 Db 259 EKLSSAYVRLPPLQVYKEKGALDKDNQNQARLEQVIAHNSGARRQWL---TGAGE 315
 ;
 Search completed: August 26, 2005, 17:21:28
 Job time : 76.1875 secs

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Result No.	Score	Query Match	Length	DB ID	Description
1	2394	98.8	462	3 US-09-189-527-13	Sequence 13, Appl
2	766.5	31.6	329	3 US-09-189-527-4	Sequence 4, Appl
3	462.5	19.1	195	3 US-09-189-527-7	Sequence 7, Appl
4	122	5.0	2293	3 US-09-368-590-2	Sequence 2, Appl
5	113	4.7	706	4 US-09-949-016-8626	Sequence 8/26, AP
6	110.5	4.6	341	4 US-09-252-991A-20182	Sequence 53, Appl
7	110	4.5	373	4 US-09-919-497-53	Sequence 51, Appl
8	110	4.5	384	4 US-09-949-016-11663	Sequence 11633, A
9	110	4.5	718	4 US-09-252-991A-32743	Sequence 32743, A
10	104.5	4.3	499	4 US-09-902-540-14780	Sequence 14780, A
11	104	4.3	312	4 US-09-902-540-11866	Sequence 11866, A
12	104	4.3	383	4 US-09-489-039A-11848	Sequence 11848, A
13	104	4.3	2600	4 US-09-949-016-7309	Sequence 7309, AD
14	103	4.3	551	4 US-09-583-110-5058	Sequence 5058, AD
15	101.5	4.2	1201	4 US-09-252-991A-32259	Sequence 32259, A
16	101	4.2	550	4 US-09-538-092-1259	Sequence 1259, AD
17	101	4.2	580	4 US-09-252-991A-22036	Sequence 22036, A
18	100	4.1	363	4 US-09-252-991A-26726	Sequence 26726, A
19	100	4.1	369	4 US-09-252-991A-22549	Sequence 22549, A
20	99.5	4.1	1050	4 US-09-555-554-2	Sequence 2, Appl
21	99	4.1	520	4 US-09-949-016-8026	Sequence 8026, AD
22	99	4.1	639	1 US-08-466-390-2	Sequence 2, Appl
23	99	4.1	639	1 US-08-470-950-2	Sequence 2, Appl
24	99	4.1	639	1 US-08-467-781-2	Sequence 2, Appl
25	99	4.1	639	1 US-08-195-487-2	Sequence 2, Appl
26	99	4.1	639	2 US-08-492-924-2	Sequence 2, Appl
27	99	4.1	639	5 PCT-US93-06160-2	Sequence 2, Appl

Db 361 PLPSAGNSDARSGOYRRRGQHQHRRGVARSGNSRGRKHTFCYSCGEDGHTRVQ 420
 Qy 427 CINPSNLILVKQQAAVESNGNNGWADKSHPKSKAK 463
 Db 421 CINPSNLILVKQQAAVESNGNNGWADKSHPKSKAK 457

RESULT 2
 US-09-189-527-4
 ; Sequence 4, Application US/09189527A
 ; Patent No. 6387639
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
 ; TITLE OF INVENTION: Antibodies
 ; FILE REFERENCE: SU98-01
 ; CURRENT APPLICATION NUMBER: US/09/189,527A
 ; CURRENT FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-09-189-527-4

Query Match 31.6%; Score 766.5; DB 3; Length 329;
 Best Local Similarity 50.2%; Pred. No. 4.1e-73;
 Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;

Qy 1 MPLTLDQWCRGEHLNTRCMLLIGIPEDGDEFETLQEACRHLYGRVIGRMFRE 60
 Db 1 MAMTLEEDCRGMDVNSQTLLWQIPNCDAEIEETQAAMQVS-YRMGRMFRE 59

Qy 61 NAOAILLETAQDIDYALLPREIPKGKPGMEVITYKPRNSDGEFLNRLFEEERRTYSMD 120
 Db 60 NAKAALLETTGAVDYAAIPREMPERGGWVQLFKPPTSDAEFLRLHFLAREGWTQDV 119

Qy 121 NRVLGSDTNCSAPRTVISPEFWTAQTLGAAVQPLLEQMLYRELVPFGNTISPGALAF 180
 Db 120 ARVLFQNPPTPGEPMPEAMLN--ILNPVQPLVSEIWYKRLTLFSKGKHFRWRCNF 177

Qy 181 DAWLEHTTEMLOMOWQPECEKKRMLMECKRGPALQVLSGRANASITTECLALQVF 240
 Db 178 DPWLEHTNEVLEEWQSVDSDEKKRMLMSIRGPAADIVRLKSNNPATTECLKALEQVF 237

Qy 241 GPVESHKIAQVKLCKAYQPAGEKVSSFVLRLEPLQRAVENNVNQTRLKRVLG 300
 Db 238 GSVESSRDRDQIKFLNTYQNPGEKLSAYVIRLEPLUQKTVKEGAIKDKNVNQARLEVAG 297

Qy 301 ATLPDKLRLDKLKL 313
 Db 298 ANHSGAIRRQLWL 310

RESULT 3
 US-09-189-527-7
 ; Sequence 7, Application US/09189527A
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
 ; TITLE OF INVENTION: Antibodies
 ; FILE REFERENCE: SU98-01
 ; CURRENT APPLICATION NUMBER: US/09/189,527A
 ; CURRENT FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 7
 ; LENGTH: 195
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-09-189-527-7

Query Match 19.1%; Score 462.5; DB 3; Length 195;
 Best Local Similarity 47.7%; Pred. No. 5.9e-41;
 Matches 93; Conservative 34; Mismatches 65; Indels 3; Gaps 2;

Qy 2 PLTLDQWCRGEHLNTRCMLLIGIPEDGDEFETLQEACRHLYGRVIGRMFRE 61
 Db 1 PLAMTLEDCRGMDVNSQTLLWQIPNCDAEIEETQAAMQVS-YRMGRMFRE 60

Qy 62 NAOAILLETAQDIDYALLPREIPKGKPGMEVITYKPRNSDGEFLNRLFEEERRTYSMD 121
 Db 61 ANAVLLEELDTDSAPTEVQSGKGMWKVTKTPNQDTEFLRLNLFLEXQQTWSGMF 120

Qy 122 RVIGSDTNCSAPRTVISPEFWTAQTLGAAVQPLLEQMLYRELVPFGNTISPGALAF 179
 Db 121 RAIGQEAISPRTPCISPELLAHILLGMAHARQPLI-PMRYKLRVFGSGAVPAPES 179

Qy 180 FDAWLERHTTEMLOMW 194
 Db 180 FEVWLEQATEIVKRW 194

RESULT 4
 US-09-368-590-2
 ; Sequence 2, Application US/09368590
 ; Patent No. 6187563
 ; GENERAL INFORMATION:
 ; APPLICANT: Solimena, Michele
 ; TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
 ; TREATMENT OF AUTOIMMUNE DISEASES
 ; FILE REFERENCE: 101918-200 (OCR-941)
 ; CURRENT APPLICATION NUMBER: US/09/368,590
 ; CURRENT FILING DATE: 1999-08-04
 ; EARLIER APPLICATION NUMBER: US/09/368,590
 ; EARLIER FILING DATE: 1998-08-07
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 2293
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-368-590-2

Query Match 5.0%; Score 122; DB 3; Length 2293;
 Best Local Similarity 25.1%; Pred. No. 0.09696;
 Matches 100; Conservative 57; Mismatches 144; Indels 98; Gaps 24;

Qy 60 ENAQALILEBLAQDIDYALLPREIPKGK--GGPWEVTKPNNSDGFEL--NR 105
 Db 733 EPROQALIEEA---ALLAERPQAAXLHQAEELGAEWGALASAQAQCEAAAGR 787

Qy 106 LNRFLEEFERRTYSMDMRVLSGSDTNCASPRVTISPEFWTAQTLGAAVQPLLEOMLYRE-- 163
 Db 788 LQRFHLDDAFLQWVLAQEAAGSGEPLD--LPNSLLEADALLARHALKEEVDRBED 843

Qy 164 -LRVFGSN-TISIPGA---LADFADLWHTT---EMLQMNQVPEGEKRRRLMEC--- 208
 Db 844 YASIVAASEALLAADDGAELGPGLALDEVPHLELGWHKLGIWKA---RKLVAQH 899

Qy 209 ---LRG--PALQVSG--LRASNATI-TVEELAALQOVFGVSEHKIAQVKLCAYQE 259
 Db 900 QLFRLDRQALVVYLRNQEMALSAELPCTVSEVAAALKHORFLTMTBLSQRMQVAVQA 959

Qy 260 A-----GEKVVSTVLRLEPLQRAVENNVSRBNV---NQTRLKRVLIS----G 300
 Db 960 AEGLRQGNITYGQAEQAATR--LLEKQNENOLRAQWMQKLHDQLELQHFIRDCHLD 1016

Qy 301 ATLPDKLRLDKLKL 348

Query 333 EEEWEATLGPDRESLEGLEVAPR--PPARITYGVAVPLP 369
 Database 337 ---ESLIGAPPSESHAGAQPRRGPHDAELLEVAAAP 372

Query 325 ALQVFGP-----VESHKIAQVK---LCKAYQBAEGEYKSSFVIRLEPL 274
 Database 225 A--EAPGPPSPMASATERLHQDLAVERQSAEVSSLALVSRALEAERA----LQAQ 276

Query 275 LQRRAVEENYVSRRNNYQTRLKVRL--SGATLPDKLRLKLMKQRKPPFLALVYLRE 332
 Database 277 AQEELBLN---RELRCNLQQFIQCTGAALPPPRPD----RGPPETQGPPLPARE 325

Query 333 EEEWEATLGPDRESLEGLEVAPR--PPARITYGVAVPLP 369
 Database 326 ---ESLIGAPPSESHAGAQPRRGPHDAELLEVAAAP 361

RESULT 8
 US-09-949-016-11663
 ; Sequence 11663, Application US/09949016
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: C1001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO: 11663
 ; LENGTH: 384
 ; TYPE: PRT
 ; ORGANISM: Human
 ;
 US-09-949-016-11663

Query Match 4.5%; Score 110; DB 4; Length 384;
 Best Local Similarity 24.2%; Pred. No. 0.0057;
 Matches 49; Mismatches 144; Indels 110; Gaps 20;

Query 22 LILGIPEDGEDEFETLQDCAECHRHLGGRYVIGRMFRREE----NAQAILLEAQD 72
 Database 31 VVCGVSEQTTCQEYVIALAQIGQTGRFLVQLRERKEOLLQPQCPVGQAQTCQFASD 90

Query 73 IDYAILPRELPKG--PME----VIVKPRNSDGEFLNRLNRFLEBERRTV 117
 Database 91 VOF-VLRRTCPGLSLAGRPSSDSCPPPERCLIRASLPVKPRAALG----CPRKTL 139

Query 118 SDMNVRVLGSDPTNCNSAPRTVISPEFWTAQTLGAAYQPLLEQMLYRELRYFSGNTISIPGA 177
 Database 140 TPEPAPLSLRGPAP--VTPPGCCTDLRGLYFLRNFLR----GH 182

Query 178 LAFDAWLEHTTEMQWVPEGEKRRRLMCLRGPAQVSGLRSNA---SITVECLA 234
 Database 183 EAF--W---EQUELREQAREQREGQRL--QALSATAEHARLQALDAQARALEAFLQLA 235

Query 235 ALQVFGP-----VESHKIAQVK---LCKAYQBAEGEYKSSFVIRLEPL 274
 Database 236 A--EAPGPPSPMASATERLHQDLAVERQSAEVSSLALVSRALEAERA----LQAQ 287

Query 275 LQRRAVEENYVSRRNNYQTRLKVRL--SGATLPDKLRLKLMKQRKPPFLALVYLRE 332
 Database 288 AQEELBLN---RELRCNLQQFIQCTGAALPPPRPD----RGPPETQGPPLPARE 336

RESULT 9
 US-09-252-991A-12743
 ; Sequence 32743, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenstein et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS THERAPEUTICS
 ; TITLE OF INVENTION: ARUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196-136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 32743
 ; LENGTH: 718
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-12743

Query Match 4.5%; Score 110; DB 4; Length 718;
 Best Local Similarity 21.7%; Pred. No. 0.027;
 Matches 70; Conservative 31; Mismatches 93; Indels 128; Gaps 16;

Query 242 PVESHKIAQVKLCKAYOBAEGEYKSSFVIRLEPL----LORAVE---- 280
 Database 122 PEKPHAYVERPVTDAYROPQOATR--RLSPRPGRERRRTDHAGGGPGRQLHLLARA 178

Query 281 ---NNVUSRRRVNQCTPLKRVLSGATLPDKLRLKLMKQRKPPG---FLALV 327
 Database 179 DGHRRCCLHPLRLPAGRGLPRLRURGAV--ANPLSRDH--GVRRPAGGLFRGLIA 232

Query 328 KJLREEEEWEATLGPDRESBLEGEVAPPAPPAR-ITG-----VGAVPLPAGNSF 375
 Database 233 QFTVPGDAARTPRAADRDRLRRLRRAAPPACRTGRGGGGQPRPLPAGAIPQA---- 287

Query 376 DARPSOGYRRRG----RGOHR----- 393
 Database 288 -GEPPOQWLQREPRLCPAAPPSSAGGGARGHRLHRRPAPVRRRDRGSRQKRVAAGG 346

Query 394 RCGVARASGRGSRK----RKHHTCYSCCGDEGHIVCINSNLL----VTKR 439
 Database 347 RCGPGRGLPABRRRHFGLPRLRHSYRPA--DGH-RAGLPGERSQVQLQGAPCDPAVRRH 402

Query 440 KQAAVESGNGNWAWDKSHPKSK 461
 Database 403 AHQAPGORG----HPRPR 417

RESULT 10
 US-09-902-540-14780
 ; Sequence 14780, Application US/09902540
 ; Patent No. 683447
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Wiegand, Roger C.
 ; TITLE OF INVENTION: Mycobacterium xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10 (15849) B
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 16825
 ; SEQ ID NO: 14780

LENGTH: 499
 TYPE: PRT
 ORGANISM: Myxococcus xanthus
 US-09-902-540-14780

Query Match 4.3%; Score 104.5; DB 4; Length 499;
 Best Local Similarity 24.0%; Pred. No. 0.058;
 Matches 99; Conservative 45; Mismatches 124; Indels 145; Gaps 23;

Qy 311 GEDSEFE-----ETLQEARCHLGRYVIGRMPREENAQAILLEAQD-IDYA 76
 Db 163 GEDGCGEDBILITHDNFETQAQODAR-----RDFDTINGLYDVAEGRVIDY- 209

Qy 77 LLPRBIPGKGKGPWEV1VKPRNSDEBF1LNRLFEEERPTVSDMNRVJGSDTNCASPRTV 136
 Db 210 -----VRGR-----RDLDERFIRTIG---DPEVTRMREPVRILRAVR--FAAKLG 249

Qy 137 ISPEFWTWATQTLGAIAVOPILLE----QMLYRELRLVFSGNTNTISPGALADF1AWLHTEM1Q 192
 Db 250 LDIESRTYHAMEG-AVEDDPRCAPARLLEETFRLLRG-VSAPALKLDA---LDALK 302

Qy 193 MWQVP-----EGEGR-----RR1MECLRGALQVYSGLGRASNASITVEBC1 233
 Db 303 ILLPPVNA1YLKOHSGREGETFYFAAESL1R-----VSAGRALDDA1LML 350

Qy 234 AALQOVFGPYESHKIAQVTKLCKAYQEAGBKVSSTVLRLEPLORAVENNNSVSRNNTQTR 293
 Db 351 IPI5RSTGTBEES-----QEGRFSVSQVV--EDLLAGFVQSARLPRIAFCR 395

Qy 294 L----KRV1SGATL1PKD1KLKMKQRKRPGP----LALVLLREBEEWEATLGPDRE 345
 Db 396 MLLAQRTLSG-----ERRRSAAFKRHPFLSEALTVFPMVTEAT-GENR 440

Qy 346 SLEGEVVARPPARTGVCAVPLP----ASGN5FDARTPSQYERRRGQHRR 394
 Db 441 QLEAWK-----AGEVPORAAADGBE3DA--GGQKRERRRRRRR 479

RESULT 11
 US-09-902-540-11866
 Sequence 11866, Application US/09902540
 Patent No. 6833447
 GENERAL INFORMATION:
 APPLICANT: Goldman, Barry S.
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Wiegand, Roger C.
 TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 FILE REFERENCE: 38-10(15849)B
 CURRENT APPLICATION NUMBER: US/09/902,540
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: 60/217,883
 PRIOR FILING DATE: 2000-07-10
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 11866
 LENGTH: 312
 TYPE: PRT
 ORGANISM: Myxococcus xanthus
 US-09-902-540-11866

Query Match 4.3%; Score 104; DB 4; Length 312;
 Best Local Similarity 24.0%; Pred. No. 0.03;
 Matches 67; Conservative 30; Mismatches 84; Indels 98; Gaps 15;

Qy 227 ITVBECLALQQ--VFGPVYESHKTAQVICKAYQEA-----GKVSSVVLRLPEL 274
 Db 15 IEIERSLDDMDHFAVLGKPGAPASEVK-QAYINASRFRHFDYFGNLGSFRARNERI 72
 Qy 275 LQRAVE-NIVVSRNVNQRLKRVLSGATLPDK----LKD1KLKMKQR-----KPP 321
 Db 73 FRRLTDAVNLMQ-----PDREAYURANPALAQAAERAAPPSSAP 115
 Qy 322 GFLALVKLUREEEWEATLGPDRESLEGLIEVAPRPRPARTVGAVPLPASGNFSFADP-- 379

Db 116 PSAPAHQHLLTPEP-----PPVHQLSPPPAPRPPVASSGPSSRPP-----SRPLA 161
 Qy 380 -----SQGYRRRRGQHRRGGVARG-----SGSRSRKKRTHFCYSCGE 419
 Db 162 PPPDGASEARLEROARLARHPYLATGRLAELIARGKAALASGDWNERAYHDF---- 215
 Qy 420 DGHIRVQ1NPNS---LLLWIKRK----QAVESNG 449
 Db 216 -H-QVQTMDPKNREVALLLVARRGHDQSQRATIEVARG 251

RESULT 12
 US-09-189-039A-11848
 Sequence 11848, Application US/09489039A
 Patent No. 6610836
 GENERAL INFORMATION:
 APPLICANT: Gary Breton et. al.
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 2709-2604001
 CURRENT APPLICATION NUMBER: US/09/489,039A
 CURRENT FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: US 60/117,747
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO 11848
 LENGTH: 383
 TYPE: PRT
 ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-11848

Query Match 4.3%; Score 104; DB 4; Length 383;
 Best Local Similarity 22.5%; Pred. No. 0.042;
 Matches 60; Conservative 44; Mismatches 91; Indels 72; Gaps 12;

Qy 114 RRTVSDMNRLVLCGSDTNCASAPRTVTSPEFWTQAQLGAAVQPLLEQMLYRELRVFSGNTIS 173
 Db 118 QRGAAELLR-CRSESETCLTRATISSPSTIERNMDIA1HNAQ---VRD-----K 164

Qy 174 IPGALAFDAWLEHTTEM1QMMQVPEGEKRRRLMECLRGPALQVSGLRASNASITVECL 233
 Db 165 ISGAA-----RCGRAPEEVTLA1S1KTKASA1B1AI 197

Qy 234 AALQVFCPVEHSKIAQVTKLCKAYQEAGKVSFVRLLEPLIQLRA---VENNVSRENV 289
 Db 198 AACQRATG--ENY-----VQGEVKINH-----QAGVSGLQWHFIGPLQS 237

Qy 290 NOTRL-KRVLSCATLPDKLRLKLMKORRKPGFLALVKLURE-BBEMEATLGPDRES 346
 Db 238 NKSRLVAAEHFDNCHTVDRLKATRNLNQR---PAHFLPLKVNQINTSDEQSNSGIPLEA 294

Qy 347 LEGL-EVAPRPRPARTVGAVPLPAS 371
 Db 295 LDGLAATAELPHLEGLMLAPAES 321

RESULT 13
 US-09-949-016-7309
 Sequence 7309, Application US/09949016
 Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et. al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CJ0011307
 CURRENT APPLICATION NUMBER: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241,755
 CURRENT FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 7309
; LENGTH: 2600
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7309

Query Match Similarity 4.3%; Score 104; DB 4; Length 2600;
Best Local Similarity 23.3%; Pred. No. 1;
Matches 84; Conservative 52; Mismatches 125; Indels 100; Gaps 19;

QY 60 ENAQAILLRLIAQDIDYALIPREIPGK-----GGPWEVIVKPRNSDGEFL---NR 105
Db 1071 EPROQALLPEA-----ALLAERFAQAALHOGAAEELGAEGWALASAAQACGAAVAAAGR 1125

QY 106 LNRPFLLEERRTVDMDNRVUGSDTINCSAPPTVISPEFWTAQITGAQVQPLLEQMLYRE-- 163
Db 1126 LQRFHDLDIAFDLDMVLVRQAEGGSEGP---LPNSLBEADALLARHALKBEEVDQREED 1181

QY 164 -LRVFSGN-TISPGA----LAFDAWIEHTT---ENLQMWQVPEGSKRRLMEC-- 208
Db 1182 YARIVAASEFALLAAGDAELGPGLADEWLPHLELGWHKLGLMEA---RREALVQAHY 1237

QY 209 ---LRG---PALQVYSG--LRASNASI--TVEECLAAALOQFGPVYESHKIAQVKLCRAYQE 259
Db 1238 QLFIDLRLQAVLVRNQEMALSAGELPGTIVESEBAHLQRHDLTTIMEISQQMMQVAYA 1297

QY 260 A-----GEKVSSFYIRLEPLIQLRQAVENNVYSRRNVNQTRLKRVISGATLPDKLRD 309
Db 1298 AEGLIHQGNQTYGEQAEATRL-----LEXQNENOLRAQQNM-----QKLHD 1339

Qy 310 KLKL---MKORRKPPGFLLVKL---REE-----BEWEATLGPDRESLEG 350
Db 1340 OLEQHQFLFDCHELDGWIHEKMLMARDSTREDNHKLHKRWLHQAFMALEQNKWLEKI 1399

Qy 351 E 351
Db 1400 E 1400

RESULT 14
US-09-583-110-5058
; Sequence 5058. Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO: 5058
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5058

Query Match Similarity 4.3%; Score 103; DB 4; Length 551;
Best Local Similarity 21.5%; Pred. No. 0.038;
Matches 91; Conservative 63; Mismatches 163; Indels 106; Gaps 21;

Qy 31 GDEPEETLOBA--CRHLSGRYRV--IGRMFRREENAQAFL---ELAQDIDYALLPREI 82
Db 99 GVDETEIRDKSTYAPSILARYKVITIDEVHMLSTGAFNALLKTUEPTQNVVFLLATEL 158

Qy 83 PGKGGPWEVIVKPRNSDGEFLNLNRPLEEBERT---VSDMNVRUGSDTNCSPAPR-VTIS 138
Db 159 -----HKPATILSRVQREFKSIKTODIKEHIIHYILEKENISSEPEAEII 205

Qy 139 PETWTWAOTLGAAVQPLLEQMLYRELVPSGNTIS---IPGALAFDAWLEHTTEMQ 192
Db 206 -----ARRAEGMRDAL-STILDQALSLTGNELTIASEEITGTISLSA-LDDYVAALS 257

Qy 193 MNQYPE-----GEKRER---LMECUGPQLQVQSSLRASNASITVEECLALQ 237
Db 258 QDDVPKAISCLNLFQGKSMTRFVTDLHYRDLLIVQTGGENTHSSVFTVENLALPQK 317

Qy 238 QVFGPVYESHKIAQVKLCRAYQEAKV---EPLQGRAVENNVSRRNNV 290
Db 318 NLF---EMIRLATVNADIKSSLQPKYIAEMMTVRLAEIKPEPALSAVENEATJURQ-E 373

Qy 291 QTRLKRVLISG-A-TLPDKL-----RDKLKLMKQRKPPGFLALVKULRE 332
Db 374 VASLKOELSNAGAVPKQVAPAPSRAPATGKTVYRVDNRKVKVOSTLQEAVNPDLARQNLRL 433

Qy 333 EEWW---BATLGPDRESLEGLEVAAPRPARITGVAVPLPASN---SFDPARPSGYR 384
Db 434 QNWGEVIESLGGPDKALL-----VGSOQPAVANNEHAIALAFESNFNAGQT 478

Qy 385 RRR 387
Db 479 MKR 481

RESULT 15
US-09-252-991A-32259
; Sequence 32259. Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196_1316
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 32259
; LENGTH: 1201
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32259

Query Match Similarity 4.2%; Score 101.5; DB 4; Length 1201;
Best Local Similarity 20.7%; Pred. No. 0.52; Matches 98; Mismatches 155; Indels 163; Gaps 20;

Qy 37 ETILOCACRHGLRY-----RVIGRMP---RREENAQATLLEAQDIYALLPREI 82
Db 645 ETILOCACRHGLDGEISLIRDGYWGRHFLLRVRSDAOGCMIAQAELE ALQERRE 703

Qy 83 PGKGGPWEVIVKPRNSDGEFLNLNRPLEEBERT---BRTVSDMNVRUGSDTNCSA 132
Db 704 P-----LETRVSEGB--ERLAAARDEQRELEGAREQVRQBEGRHGE----- 746

Qy 133 PRYTISPEFWTWAOTLGAAVQPLLEQMLYRELVPSGNTISIPGALAFDAWLEHTTEMQ 192
Db 747 -----LKAQLSAQAKVEQVLLRRRL-----DEEVAAELAEORA 780

Qy 193 MWQVPEGEKRRRMECUGPALK----- 216

Qy 781 LEQEQSEARLTIQEAELDSMALDTERRETLLAERDALPERLDRDIRQDARTHKDHAHQALAV 840

Qy 217 -VSCRASNASITVEECLALQOQVGPVYESHKIAQVKLCRAYQEAKERVSSFTVRLLEPLL 275

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Db    841 RVGSLKAQINS--TQALERLDDQOSARL-NERCEQLNL--NLERGAAPLEELRMKLEEL 895
Qy    276 QR--AVENNV-----VSRNVNNOTRLKRVLSGATLPDKLR-----DKLK 312
Db    896 ERMAVEDELKQARIALEADRELREVERGRGOAEQOSQLRGQLEQQRLEWQGLVVRK 955
Qy    313 LMKQRKRKPPF-----LALVKLRLREBEEWATLGPDRESEGLEVAPREPARITGVGAVP 367
      ::::: :|: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |
Db    956 ALQEQLAEDYDLHTVLANIPLDASERDWE-----EFLESL-----AARQRLGPIN 1002
Qy    368 LPASGNNSFDARPSOCYRRRGRGOH-----RGGGVARAGSGRSRKCRKHTF 413
      ::::: :|: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |
Db    1003 LAA---IEYYQQOSERKRYLDSONDLDAALETENVKIDRETRNRFKETF 1052
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 Job time : 36.9126 secs

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OM protein - protein search, using sw model.

Run on: August 26, 2005, 16:45:49 ; Search time 123.01 Seconds
 (without alignments)

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Searched: 1767149 seqs, 393926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB Seq length: 0 Maximum DB Seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
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RESULT 1
 US-10-037-860-13
 ; Sequence 13, Application US-10-037-860-13
 ; Publication No. US20020123114A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; ATTORNEY: Joseph O. Dalmat
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma
 ; TITLE OF INVENTION: ANTIBODIES
 ; FILE REFERENCE: 2581-1004-004
 ; CURRENT APPLICATION NUMBER: US-10-037-860-004
 ; CURRENT FILING DATE: 2001-01-04
 ; PRIORITY APPLICATION NUMBER: 09/1189, 527
 ; PRIORITY FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 13
 ; LENGTH: 463
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-10-037-860-13

ALIGNMENTS

Sequence 1978, AP
 Sequence 4, Appli
 Sequence 40, Appli
 Sequence 39, Appli
 Sequence 73, Appli
 Sequence 74, Appli
 Sequence 11, Appli
 Sequence 7, Appli
 Sequence 38, Appli
 Sequence 26, Appli
 Sequence 24645, A
 Sequence 2992, AP
 Sequence 42, Appli
 Sequence 1037, AP
 Sequence 1040, AP
 Sequence 110685,
 Sequence 123225,
 Sequence 122585,
 Sequence 299, AP
 Sequence 1037-1037
 Sequence 185722,
 Sequence 185720,
 Sequence 117298,
 Sequence 1035, AP
 Sequence 117296,
 Sequence 122665,
 Sequence 122632,
 Sequence 199076,
 Sequence 146318,
 Sequence 122620,

SUMMARIES

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3	836.5	34.5	364	17	US-10-037-860-13
4	818	33.8	353	9	US-09-965_529-7
5	818	33.8	353	10	US-09-966_680-7
6	818	33.8	353	20	US-11-038-692-7
7	768.5	31.7	351	9	US-09-965_529-1
8	768.5	31.7	351	10	US-19-800-01A-16
9	768.5	31.7	351	10	US-09-967-68A-1
10	768.5	31.7	351	15	US-10-341-434-10
11	768.5	31.7	351	20	US-11-048-692-1

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

QY	121. NRVLGSDTNCAPRTVTTISPEFWTWAQTIGAAVOPPLEONLYRELRFSGNTISIPGALAF 180	Db	240 GKDDEDFRASQFRPLQTSKIGEVSTFLRLLOKAVHKSPSLSVRSRSTDMLBKHLLLAR 299
QY	121. NRVLGSDTNCAPRTVTTISPEFWTWAQTIGAAVOPPLEONLYRELRFSGNTISIPGALAF 180	Qy	301 ATLPDKLDRKLKLMKQREKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240
Db		Db	300 VAMTPALRKCKLELIDQRGCPNPFLMVKLIRDSEEWENTEVMNKNEKEPSGRGASGRQ 359
QY	181. DAWLDEHTTEMLQMQVPEGEKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240	Qy	357 PARITGYGAVPLPASNSE-DARPS---QG-----YRRRRGHRGGYVARASRSRSKR 408
Db	181. DAWLDEHTTEMLQMQVPEGEKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240	Db	360 ARAEASVSAPOATYQARSFSDFSSPOTIQGLPPLVYKRR-----LLGSESTR-- 406
Qy	241. GPVESHKLAQVKLUCKAYQAGEKVSFFVRLRPLQLQRAVENVSRNNNQPLRKVLISG 300	Qy	409 KRHTFCYCSGEDGHTRVQCTINPSNLILYQKKOAAVES-GNGNWADKSHPK 459
Db	241. GPVESHKLAQVKLUCKAYQAGEKVSFFVRLRPLQLQRAVENVSRNNNQPLRKVLISG 300	Db	407 -----GED-HGQATYPKAENQTGPREGPOAAGEELGNEARAGAMSHPK 448
QY	301 ATLPDKLDRKLKLMKQREKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240	Db	RESULT 3 US-10-504-329-3
Qy	301 ATLPDKLDRKLKLMKQREKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240	Qy	Sequence 3, Application US/105-04329
Db		Db	Publication No. US20050106569A1
Qy		Db	GENERAL INFORMATION:
Qy		Db	APPLICANT: Evotec NeuroSciences GmbH
Qy		Db	TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural diseases
Qy		Db	FILE REFERENCE: 0304750 ME/BM
Qy		Db	CURRENT APPLICATION NUMBER: US/10/504-329
Qy		Db	CURRENT FILING DATE: 2004-08-25
Qy		Db	NUMBER OF SEQ ID NOS: 15
Qy		Db	SOFTWARE: PatentIn Ver. 2.1
Qy		Db	SEQ ID NO 3
Qy		Db	LENGTH: 364
Qy		Db	TYPE: PRT
Qy		Db	ORGANISM: Homo sapiens
Qy		Db	US-10-504-329-3
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Qy		Db	Best Local Similarity 49.7%; Pred. No. 9.2e-67; Indels 5; Gaps 3;
Qy		Db	Matches 174; Conservative 63; Mismatches 108;
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Qy		Db	Best Local Similarity 49.7%; Pred. No. 9.2e-67; Indels 5; Gaps 3;
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Db	1 MALALLEWDCRINSVDEQKSLSMVTGIPDAFEEAEIQEVLQETLKSLGRYRLGKIFRQE 60	Db	1 MALALLEWDCRINSVDEQKSLSMVTGIPDAFEEAEIQEVLQETLKSLGRYRLGKIFRQE 60
Qy	61 NAOQILLEAQDIDYALIPREIPKGWPWIVPRNSDGEFLNRLNRLPELERPTVSDM 120	Qy	61 NAOQILLEAQDIDYALIPREIPKGWPWIVPRNSDGEFLNRLNRLPELERPTVSDM 120
Db	61 NANAVILLELEDIDVSATIPSEVOQGGWVKKVIFTPNQDTFEFLERLNLFLEKEQGTQVSGM 120	Db	61 NANAVILLELEDIDVSATIPSEVOQGGWVKKVIFTPNQDTFEFLERLNLFLEKEQGTQVSGM 120
Qy	121 NRVLGSDTNCAPRTVTTISPEFWT-WAQTIGAAVOPPLEQMLYRELRYFGNTISIPGAL 178	Qy	121 NRVLGSDTNCAPRTVTTISPEFWT-WAQTIGAAVOPPLEQMLYRELRYFGNTISIPGAL 178
Db	121 FRALQBGQGVSPATVPICSPBLAHLGQAMAHAFQPLL_PMRTRKLRLVFGSAYPAPEE 179	Db	121 FRALQBGQGVSPATVPICSPBLAHLGQAMAHAFQPLL_PMRTRKLRLVFGSAYPAPEE 179
Qy	179 AFDAWLHETTEMQWQPEGEKRRMLMECIRGPALQVSSLRASNASITVECLAALQQ 238	Qy	179 AFDAWLHETTEMQWQPEGEKRRMLMECIRGPALQVSSLRASNASITVECLAALQQ 238
Db	180 SFETWYQDATEIVKWPPTBEALKWLAESLRGPAIDLHIVQADNPSSIVEECLAEFAQQ 239	Db	180 SFETWYQDATEIVKWPPTBEALKWLAESLRGPAIDLHIVQADNPSSIVEECLAEFAQQ 239
Qy	239 VFGPVESHKIAQYKLRKAYQEAQGRKVSSTPLPQAVENNVSRNNVNQPLRKVL 298	Qy	239 VFGPVESHKIAQYKLRKAYQEAQGRKVSSTPLPQAVENNVSRNNVNQPLRKVL 298
Db	240 VFGSLRSRATAQYRLTYQEEGKVSAYVRLRETLLRAVKEKRAPIRRIADQYLEQYM 299	Db	240 VFGSLRSRATAQYRLTYQEEGKVSAYVRLRETLLRAVKEKRAPIRRIADQYLEQYM 299
Qy	299 SGATLPDKLDRKLKLMKQREKRRMLMECIRGPALQVSSLRASNASITVECLAALQQ 348	Qy	299 SGATLPDKLDRKLKLMKQREKRRMLMECIRGPALQVSSLRASNASITVECLAALQQ 348
Db	300 AGATLQNMOLWCRLELDQGPPSFELMKVIREEEBASF-BNESIE 347	Db	300 AGATLQNMOLWCRLELDQGPPSFELMKVIREEEBASF-BNESIE 347
Qy	RESULT 4 US-10-408-762A-2385	Qy	RESULT 4 US-09-955-529-7
Qy	Query Match 36.5%; Score 883.5%; DB 16; Length 452;	Qy	Sequence 7, Application US/0995529
Qy	Best Local Similarity 42.6%; Pred. No. 7e-71; Indels 41; Gaps 10;	Qy	Publication No. US20020182671A1
Qy	Matches 201; Conservative 75; Mismatches 155	Qy	GENERAL INFORMATION:
Db	1 MPLTLQDWICRGHEHLNTRCMLLIGIPEPDGDEDFFETLQEACRHLGRYVRIGMRREE 60	Db	APPLICANT: LAL, Preeti
Db	5 MALTLLEDICKGMMDPRAKMLVPMCESEVIOQDTYKAGLPCAYVRLGRMFRRED 64	Db	APPLICANT: YUE, Henry
Qy	61 NAOQILLEAQDIDYALIPREIPKGWPWIVPRNSDGEFLNRLNRLPELERPTVSDM 120	Qy	APPLICANT: TANG, Y. Tom
Db	65 NAKAVFIELADTYNTLLESHIPKGKGSPEVVKPRNPDEFSLRNLNFKDEGRSMTDV 124	Db	APPLICANT: BANDMAN, Olga
Qy	121 NRVLGSDTNCAPRTVTTISPEFWTWAQTIGAAVOPPLEONLYRELRFSGNTISIPGALF 180	Qy	APPLICANT: BURFORD, Neil
Db	125 ARALGC--CSLPAESLIDAE-VRPQVRSAPPLEPKESWYKLVKFSTASASPGEETF 179	Db	APPLICANT: BURFORD, Neil
Qy	181 DAWLDEHTTEMLQMQVPEGEKRRMLMECIRGPALQVSSLRASNASITVECLAALQQF 240	Qy	APPLICANT: BURFORD, Neil
Db	180 EDWLEQVTPIMPKVQSETKRRMLLSELRGPAIDLHIVQADNPSSIVEECLAEFAQQ 239	Db	APPLICANT: BURFORD, Neil
Qy	241 GPVESHKLAQVKLUCKAYQAGEKVSFFVRLRPLQLQRAVENVSRNNVNQPLRKVL 300	Qy	APPLICANT: BURFORD, Neil

APPLICANT: AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.
 APPLICANT: LU, Dyung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731 USA
 CURRENT APPLICATION NUMBER: US 09/149,641; 60/164,203; PCT/US00/22315
 CURRENT FILING DATE: 2001-09-17; 1999-11-09; 2000-08-14
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
 US-09-969-680A-7

Query Match 33.8%; Score 818; DB 10; Length 353;
 Best Local Similarity 49.6%; Pred. No. 4.1e-65;
 Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

Qy 1 MPLTLQDWCRCGEHLNTRCMILGIGIPEDCGDEDEFFBTLOBACRHGLGRYRVTGRMFRREE 60
 Db 1 MAMTLLEDWCRCGMDDVNSQRALLWVLPVNCDBAEIBTQLAMPQS-YRMUGRMWRE 59

Qy 1 NQAILLELAQDIDYALLPREPIPGKGPWEVTVKPRNSDGBFLNLNRLREFEEERYTVSDM 120
 Db 60 NAKAALLELTGADVDAIPREMPGKRCGWWKLFKPSTDAAEFLERLHLFLAREGWTQDV 119

Qy 121 NRVLGSQTNCASAPRTVISPEFWTAWTGLAAVQPLLYRELRYFSGNTISIPGALAF 180
 Db 120 ARVLGFONPTPQGPEMPAEMLY-ILDNVIQPLVSIWYKRITFSGRDIPGSEBTF 177

Qy 1 DAWLHETTEMLOMWOVPEGEKRRRLMECLRGPAQVSLGRASNASITVECLAALQQVF 240
 Db 178 DPWLEHTNEVLEEMQVSDEAEETELQAMPOVS-YRMUGRMFRREE 59

Qy 61 GPVESHKIAQVKLCKAYQEAEGKVSSFVRLPELQRAVENNVSRANVQNLTKVLSG 300
 Db 238 GSVESSRDAQIKFLNTYQNPBEKLSSAVYRLEPLQKVERGAIDDNVNQARLEGVIAG 297

Qy 121 NRVLGSQTNCASAPRTVISPEFWTAWTGLAAVQPLLYRELRYFSGNTISIPGALAF 180
 Db 120 ARVLGFONPTPQGPEMPAEMLY-ILDNVIQPLVSIWYKRITLSPGDIPGSEBTF 177

RESULT 6
 US-11-048-692-7

Db 178 DPWLEHTTEMLOMWOVPEGEKRRRLMECLRGPAQVSLGRASNASITVECLAALQQVF 237
 Publication No. US20050123990A1

GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y. Tom; BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731-1 USA
 CURRENT APPLICATION NUMBER: US/11/048,692
 CURRENT FILING DATE: 2005-02-02
 PRIORITY APPLICATION NUMBER: US/09/692-7
 PRIORITY FILING DATE: 2001-10-02
 PRIORITY APPLICATION NUMBER: US/00/22315

Qy 241 GPVESHKIAQVKLCKAYQEAEGKVSSFVRLPELQRAVENNVSRANVQNLTKVLSG 300
 Db 238 GSVESSRDAQIKFLNTYQNPBEKLSSAVYRLEPLQKVERGAIDDNVNQARLEGVIAG 297

Qy 301 ATLPDKLDRKLUMLKMKRKRP-PGFLALKLRL-----EEFWEATL 340
 Db 298 ANHSGAIRQLWLTTGAGEGPAPNLFFLVLQIREEEKEEESEATL 344

RESULT 5
 US-09-969-680A-7

Sequence 7, Application US/09/692-7
 Publication No. US20030124649A1

GENERAL INFORMATION:
 APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y. Tom; BANDMAN, Olga
 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731-1 USA
 CURRENT APPLICATION NUMBER: US/09/692-7
 CURRENT FILING DATE: 2001-10-02
 PRIORITY APPLICATION NUMBER: US/00/22315
 PRIORITY FILING DATE: 2000-08-14
 PRIORITY APPLICATION NUMBER: 60/149,641
 PRIORITY FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 7
 LENGTH: 353
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. 2483172CD1
 US-11-048-692-7

Query Match 33.8%; Score 818; DB 20; Length 353;
 Best Local Similarity 49.6%; Pred. No. 4.1e-65;
 Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

Qy 1 MPLTLQDWRGEHLNTRCMILGIPEDCGDEDEEFTLQEACHRHLGRYVIGRMFRREE 60
 Db 1 MAMTLEDWRGMDNQRMLVWLPVNDEAEETIQLAMPQS-TRLGMFMFWE 59

Qy 61 NAQAILLELAQDIDYALLPREPIPGKGGPNEVIVKPRNSDGEFLNRLNRLFEERRTVSDM 120
 Db 60 NAKAELLETGAVDVAAPREMPGKGGVWKLFKPSTDAEFLRLHFLARECWTQDV 119

Qy 121 NRVLGSDTINSAPRTISPEFTWATLGAVQPLBLQYRELRFVSNTISIPGALF 180
 Db 120 ARVLGFQNPTPTPGPMPAMLN--ILONVIQPLVESWYKRULFSQDRIFGPGEETP 177

Qy 181 DAWLHEHTTEMLOQM沃QPEGEKRRMLMECLRGPAQVSGURASNASITVECLALQQF 240
 Db 178 DPWLERTNVELEWRQSVDSVERRRMMESSLRGPAADVIRLLKSNNPAITTAECIKALEQF 237

Qy 241 GPVESHKIAQYKLCKAYQAGEKVSSFVNLREPLIQLQRAVENNYVSRRRNVNQTRLKRVLG 300
 Db 238 GSVESSRDAQIKFLNITYQNPGEKLSAYVIRLEPLIQLQKVYVKGAIDKDNNNQARLEQTAG 297

Qy 301 ATLPDKLRLDKLKLMLQMRKRP--PGFLALVLLR-----EEEEEATL 340
 Db 298 ANHSGAIRQLWLTGAGEGPAPNLFQLLQIREEEAKEEEEEATL 344

RESULT 8
 US-09-804-014A-16 ; Sequence 16, Application US/09/804-014A
 ; Publication No. US2003006489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li ; Padigaru, Muralidhara
 ; APPLICANT: Vernet, Corine ; Fernandes, Blma
 ; APPLICANT: Shimkets, Richard ; Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721-US
 ; CURRENT APPLICATION NUMBER: US/09/804-014A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 16
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-804-014A-16

Query Match 31.7%; Score 768.5; DB 10; Length 351;
 Best Local Similarity 46.6%; Prod. No. 1.2e-60; Indels 11; Gaps 6;

Qy 1 MPLTLQDWRGEHLNTRCMILGIPEDCGDEDEEFTLQEACHRHLGRYVIGRMFRREE 60
 Db 1 MTLRLEDWRGMDNQRMLVWLPVNDEAEETIQLAMPQS-TRLGMFMFWE 60

Qy 61 NAQAILLELAQDIDYALLPREPIPGKGGPNEVIVKPRNSDGEFLNRLNRLFEERRTVSDM 120
 Db 61 NRKVALVGTAETSHALVKEIPKGKGIWVFKPDPTNFSRLNNEFLAGEGMTVGEI 120

Qy 121 NRVLGSDTINSAPRTISPEFTWATLGAVQPLBLQYRELRFVSNTISIPGAL 178
 Db 121 SRALGHENGSLDPEQGMIPENWAPMLAQAL-EALOPALQCLKYKLRRVSGRESPEPGB 179

Qy 179 AFDAWLEHTTEMLOQM沃QPEGEKRRMLMECLRGPAQVSGURASNASITVECLALQQ 238
 Db 180 EFGRWMPHTTOMIKAWQVPDVERKRLVPLLEPLLQRAVENNYVSRRRNVNQTRLKRVL 239

Qy 239 VFGPVESHKIAQYKLCKAYQAGEKVSSFVNLREPLIQLQRAVENNYVSRRRNVNQTRLKRVL 298
 Db 240 VFGYTDPNPRELQVKLYTQDDEBKLSAVRLPLLEPLIQLVORGAIERDAVNOQARLDQVI 299

Qy 299 SGATLBDKLRLDKLMLQMRKRPDEGFLALVLLR-----EEEEEATL 349
 Db 300 AGA-VKHTTIRELNL-PEDGPAEGFLQLVLRKDYAAEEEBALL--QAILEG 348

RESULT 9

Qy 299 SGATLPDKLRLKLMKQRKPPGFLALVKLIRE---EEWEATLGPDRESLEG 349
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 300 AGA-VHKTIRRELN-PDDPGAPGLVLRKDYEAEEBELL--QALEG 348

CURRENT APPLICATION NUMBER: US/10/341,434
 CURRENT FILING DATE: 2003-07-18
 PRIOR APPLICATION NUMBER: US 60/348,164

PRIOR FILING DATE: 2002-01-15
 PRIOR APPLICATION NUMBER: US 60/348,119

PRIOR FILING DATE: 2002-01-15
 NUMBER OF SEQ ID NOS: 238

SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 10

LENGTH: 351

TYPE: PRT

ORGANISM: Homo sapiens

US-10-341-434-10

Query Match 31.7%; Score 768.5; DB 15; Length 351;
 Best Local Similarity 46.6%; Pred. No. 1.2e-06;
 Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;

Qy 1 MPLTLLQDPWCRGEHLNTRCMILGPEDCGEDBEFEETLQACRHLGRYRVIGRMFRREE 60
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 1 MTLRLLEDWCRGMMDMPKALLIAGQSQSCSVAETEALQGLAPEYRLGRMFRDE 60

1 MPLTLLQDPWCRGEHLNTRCMILGPEDCGEDBEFEETLQACRHLGRYRVIGRMFRREE 60
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Qy 61 NAQAILLELAQDIDYALLPREPIPGKGPPWEIVKDKPNSDGFELNLNRFLFERRVSDM 120
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 61 NRKVAVLGLTAETSHALVPKEIPKGKGIVWRVFKPKPDNTFLSLRNELFLAGEGMVGEI 120

121 NRVLGSDTNCASAPRTVISPEFTW--WAOTLGAAVQOLLEONLYRELVRSGNTISPGAL 178
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 121 SRALGHENGSLDPEQGMIPENWAPMLAQAL-EALQALQCLKYKURVSGRESPBEGEE 179

121 NRVLGSDTNCASAPRTVISPEFTW--WAOTLGAAVQOLLEONLYRELVRSGNTISPGAL 178
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 121 SRALGHENGSLDPEQGMIPENWAPMLAQAL-EALQALQCLKYKURVSGRESPBEGEE 179

Qy 179 AFDAWLEHTTEMLOMVOVPEGEKRRRLMECLRGPAQLQVSGIRASNASITYBECLLAALQQ 238
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 180 EFGRMWHTMTOMIKAWQVDPVDRRLLESLRGPALDVIRLKINPLITVDECQALEE 239

RESULT 11

Qy 239 VFGPVESHKIAQVQLCKAYQAEFGEKVSSFYVLRLEPLIQRAYENNVSRRNVNQTRLKRVL 298
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 240 VFGVTDNPRELOVQKLTYQKDBEKLSSAYVRLERPLIQLVQRA1ERDAVNQARDQVI 299

Qy 299 SGATLPDKLRLKLMKQRKPPGFLALVKLIRE--EEWEATLGPDRESLEG 349
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 300 AGA-VHKTIRRELN-PDDPGAPGLVLRKDYEAEEBELL--QALEG 348

CURRENT APPLICATION NUMBER: US/11/048,692
 CURRENT FILING DATE: 2005-02-02
 PRIORITY NUMBER: US/1048692
 Publication No. US20050123900A1

GENERAL INFORMATION:

APPLICANT: LAL, Preeti; YUE, Henry
 TANG, Y.; Tom, BANDMAN, Olga
 BURFORD, Neil; AZIMZAI, Valda
 BAUGHN, Mariah R.; LU, Duyng Aina M.
 BATTISON, Chandra
 BURFORD, Neil; AZIMZAI, Valda
 BAUGHN, Mariah R.; LU, Duyng Aina M.

TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS

FILE REFERENCE: PP-0731-1 USA

CURRENT APPLICATION NUMBER: US/11/048,692
 CURRENT FILING DATE: 2005-02-02
 PRIORITY NUMBER: US/09/969,680

PRIOR FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: US00/22315

PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149,641

PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: 60/164,203

PRIOR FILING DATE: 1999-11-09
 PRIOR APPLICATION NUMBER: 60/149,641

OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1

Qy 61 NAQAILLELAQDIDYALLPREPIPGKGPPWEIVKDKPNSDGETLNLRFLFERRVSDM 120
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 61 NRKVAVLGLTAETSHALVPKEIPKGKGIVWRVFKPKPDNTFLSLRNELFLAGEGMVGEI 120

121 NRVLGSDTNCASAPRTVISPEFTW--WAOTLGAAVQOLLEONLYRELVRSGNTISPGAL 178
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 121 SRALGHENGSLDPEQGMIPENWAPMLAQAL-EALQALQCLKYKURVSGRESPBEGEE 179

179 AFDAWLEHTTEMLOMVOVPEGEKRRRLMECLRGPAQLQVSGIRASNASITYBECLLAALQQ 238
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 180 EFGRMWHTMTOMIKAWQVDPVDRRLLESLRGPALDVIRLKINPLITVDECQALEE 239

239 VFGPVESHKIAQVQLCKAYQAEFGEKVSSFYVLRLEPLIQRAYENNVSRRNVNQTRLKRVL 298
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 240 VFGVTDNPRELOVQKLTYQKDBEKLSSAYVRLERPLIQLVQRA1ERDAVNQARDQVI 299

299 SGATLPDKLRLKLMKQRKPPGFLALVKLIRE--EEWEATLGPDRESLEG 349
 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 Db 300 AGA-VHKTIRRELN-PDDPGAPGLVLRKDYEAEEBELL--QALEG 348

RESULT 10

US-10-341-434-10

Sequence 10, Application US/10341434
 Publication No. US20030215835A1

GENERAL INFORMATION:

APPLICANT: OrGene Technologies
 TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
 FILE REFERENCE: 9U 204 205 R1

OTHER INFORMATION: Incyte ID No: 112301CD1
 US-11-048-692-1

Query Match Score 768.5; DB 20; Length 351;
 Best Local Similarity 46.6%; Pred. No. 1.2e-60;
 Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;

Qy 1 MPLTLQDMCRGEHHLNTRCLMLGIPEDCGEDFEEETLQEA CRHLGRYR VIGRMF RREE 60
 Db 1 MTRLLEDWCRGMNDNPRAKLLAIGISQS SVAIEALAGLAPLGRVLLGMF RDE 60

Qy 61 NAOA LLEAQDIDYALLPREIPSKGGPNEVIVKPRNSDGEFLNRLRFEEERRTVS D 60
 Db 1 NRKV ALVG IGTAAETSHALV PKEI PEGG TIVRIFKPDPNTFLSRLN EFLAGE GMVY C 60

Qy 61 NAOA LLEAQDIDYALLPREIPSKGGPNEVIVKPRNSDGEFLNRLRFEEERRTVS D 60
 Db 1 NRKV ALVG IGTAAETSHALV PKEI PEGG TIVRIFKPDPNTFLSRLN EFLAGE GMVY C 60

Qy 121 NRVLGSDTNC SAPRTVISPEFTWATQTLGA VAOVPLLE QMLYREL RVS FSGNTISI PGAL 178
 Db 121 SRALGHENGSLDPEQGMIPMENWPMALQ - EAQPALQCLKYKL RVS GRESPEPEE 179

Qy 179 AFDALWLETTMLOMWO-VPEGEKRRM ECLRGPA LQVPA LQVPA VSSR RASNA SITVE CLAALQ 237
 Db 170 SFEWLWDITTEMHVWQUSERRRILEG RTGALQV HALLA ENPARTA QDCLAALA 229

Qy 121 NRVLGSDTNC SAPRTVISPEFTWATQTLGA VAOVPLLE QMLYREL RVS FSGNTISI PGAL 178
 Db 121 SRALGHENGSLDPEQGMIPMENWPMALQ - EAQPALQCLKYKL RVS GRESPEPEE 179

Qy 179 AFDALWLETTMLOMWO-VPEGEKRRM ECLRGPA LQVPA LQVPA VSSR RASNA SITVE CLAALQ 237
 Db 180 EFGRMFHFTQMIKAWQPV PVERRRLLSLRGPALDVTU RLKNNPLTIVDCLQALE 239

Qy 239 VFGPVYESHKIAQV KLUCKA YOEGAE KVSSPFLVRLPEPLLORAVENNNVSRRN VNO TRLKRV L 298
 Db 240 VFGVTDNPRQV KYLTTFQD BEERL SAVT LPEPLLQVLVQRGA IERDAVN OARLDVY 299

Qy 299 SGATLPDKRDKLKLMQ RRKPKPGPFLALMVLRE -- EEEWEATLGPDRESLG 349
 Db 300 AGA-VHKTIRRELNL-PEDG PAPGLQQLVLRD YEA ASEE EALL-- QAIL EG 348

RESULT 13

US-10-037-860-4

; Sequence 4, Application US/10037860
 ; Publication No. US2002012314A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jerome B. Posner
 ; APPLICANT: Josep O. Dalmau
 ; APPLICANT: Myrna R. Rosenfeld
 ; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
 ; TITLE OF INVENTION: ANTIBODIES
 ; FILE REFERENCE: 2581-1004-004
 ; CURRENT APPLICATION NUMBER: US/10/037,860
 ; CURRENT FILING DATE: 2001-01-04
 ; PRIOR APPLICATION NUMBER: 09,189,527
 ; PRIOR FILING DATE: 1998-11-10
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 4
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: homo sapiens

US-10-037-860-4

; Sequence 4, Application US/10037860

; Publication No. US2002012314A1

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrna R. Rosenfeld

; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma

; TITLE OF INVENTION: ANTIBODIES

; FILE REFERENCE: 2581-1004-004

; CURRENT APPLICATION NUMBER: US/10/037,860

; CURRENT FILING DATE: 2001-01-04

; PRIOR APPLICATION NUMBER: 09,189,527

; PRIOR FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 329

; TYPE: PRT

; ORGANISM: homo sapiens

US-10-037-860-4

Query Match Score 766.5; DB 13; Length 329;

Best Local Similarity 50.2%; Pred. No. 1.7e-60;

Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;

; Sequence 4, Application US/10037860

; Publication No. US2002012314A1

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrna R. Rosenfeld

; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma

; TITLE OF INVENTION: ANTIBODIES

; FILE REFERENCE: 2581-1004-004

; CURRENT APPLICATION NUMBER: US/10/037,860

; CURRENT FILING DATE: 2001-01-04

; PRIOR APPLICATION NUMBER: 09,189,527

; PRIOR FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 329

; TYPE: PRT

; ORGANISM: homo sapiens

US-10-037-860-4

Query Match Score 768.5; DB 15; Length 399;

Best Local Similarity 42.5%; Pred. No. 1.5e-60;

OTHER INFORMATION: Novel full-length cDNA
 File Reference: 08435/0160
 Current Application Number: US/10/094,749
 Current Filing Date: 2002-03-12
 Prior Application Number: 60/350,435
 Prior Filing Date: 2002-01-24
 Prior Application Number: JP 2001-328381
 Prior Filing Date: 2001-09-14
 SEQ ID NO 198
 LENGTH: 399
 TYPE: PRT
 ORGANISM: Homo sapiens

US-10-037-860-4

Query Match Score 768.5; DB 15; Length 399;

Best Local Similarity 42.5%; Pred. No. 1.5e-60;

Query Match Score 768.5; DB 15; Length 399;

Best Local Similarity 42.5%; Pred. No. 1.5e-60;

Qy 241 GPVESHKIAQVKLCKAYQAGEKVSSFTVRLPLQRAVENNVSRANVNPQLKRVLSG 300
 Db 238 GSVESSRDAQIKFLNTYQNPGBKLSAVIRLEPLQKVVEKGAIIDKDNVNQARLEQVIAG 297
 Qy 301 ATLPDKLRDLKL 313
 Db 298 ANHSGAIRQLWL 310

RESULT 14
 US-09-804-014A-40
 ; Sequence 40, Application US/09804014A
 ; Publication No. US20030064489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Vernet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimkets, Richard
 ; APPLICANT: Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721 US
 ; CURRENT APPLICATION NUMBER: US/09/804,014A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,141
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SEQ ID NO: 40
 ; LENGTH: 318
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY VARIANT
 ; LOCATION (20)
 ; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
 ; OTHER INFORMATION: specification
 US-09-804-014A-40

Query Match 31.6%; Score 765.5%; DB 10; Length 318;
 Best Local Similarity 50.2%; Pred. No. 2e-60;
 Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;

Qy 1 MPLTLLQDWRGRHEHLNTRCMILIGIPEDGDEFETTLQACRHLYGRVIGRMFRE 60
 Db 1 MAMTLEDDCRGMHDVNSQXLLWGIYNCDAEIETLQAAMPVS-YRMIGRMFRE 59

Qy 61 NAQYLLEAQDIDYALLEFREIPIOKGGPWEVIVKPRNSDGEFLNRLRFLBERRTVSDM 120
 Db 60 NAKAELLETGAVDYAALPREMGKGTVKLFKPPISDAEFLRLHFLAREGWTVD 119

Qy 121 NRVLGSDTNCASAPRTISPEFT--WAQTLGAAVQDPLQEMLYRELVSFSNTISPGAL 178
 Db 120 ARVLFQNTPTPQPEPMELNY--ILLDNVQFLVSEIWYKLTLSFGKGHPRAWGNF 177

Qy 181 DAWLHETHTPMLQWQVPEGKRRMLCEGRPAQVYSGRASNASTVBECLAQVF 240
 Db 178 DPWLHETHNFLVLEEVQVSDEVKRRMLMEISRGPAADVTRILKENNPATTAECIKALEQVF 237

Qy 241 GPVESHKIAQVKLCKAYQAGEKVSSFTVRLPLQRAVENNVSRANVNPQLKRVLSG 300
 Db 238 GSVESSRDAQIKFLNTYQNPGBKLSAVIRLEPLQKVVEKGAIIDKDNVNQARLEQVIAG 297

Db 238 GSVESSRDAQIKFLNTYQNPGBKLSAVIRLEPLQKVVEKGAIIDKDNVNQARLEQVIAG 297
 Qy 301 ATLPDKLRDLKL 313
 Db 298 ANHSGAIRQLWL 310

RESULT 15
 US-09-804-014A-39
 ; Sequence 39, Application US/09804014A
 ; Publication No. US20030064489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Vernet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimkets, Richard
 ; APPLICANT: Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721 US
 ; CURRENT APPLICATION NUMBER: US/09/804,014A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 39
 ; LENGTH: 321
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-804-014A-39

Query Match 30.6%; Score 742; DB 10; Length 321;
 Best Local Similarity 47.2%; Pred. No. 2.7e-58; Mismatches 111; Indels 4; Gaps 3;

Qy 1 MBLTLLQDWRGRHEHLNTRCMILIGIPEDGDEFETTLQACRHLYGRVIGRMFRE 60
 Db 1 MTIRLLEDWCRGMDMMPRKALLIAGISQSCVAEIBALQGLAPGYRLIGRMFRDE 60

Qy 61 NAQYLLEAQDIDYALLEFREIPIOKGGPWEVIVKPRNSDGEFLNRLRFLBERRTVSDM 120
 Db 61 NRKVVALGVLTAETSHALIVPKEPKGCIWRYTFKPPDPDTNTFLSRSNBFLAGEGTMVGBL 120

Qy 121 NRVLGSDTNCASAPRTISPEFT--WAQTLGAAVQDPLQEMLYRELVSFSNTISPGAL 178
 Db 121 SPALGHENGSLDPEQSMIPENWMPMQL-FALQPALOCUYKIKRVSGRESPEGEE 179

Qy 179 AFDAWLTBTTENLQWQVPEGKRRMLCEGRPAQVYSGRASNASTVBECLALQQ 238
 Db 180 EFGRMWHTTOMIKAQVDPVDEKRRILLESRGPAIDLVRVTKINNPLITVDECLQALEE 239

Qy 239 VFGPVSSHKAQDVKLCKAYQAGEKVSSFTVRLPLQRAVENNVSRANVNPQLKRVLSG 298
 Db 240 VFGVTDNPRLQVYKLTYYQDEEKRSVYVRLPLQKLVQRGAAERDAVNQARDQVI 299

Qy 299 SGATLPDKLRDLKLAKMQRKRP 320
 Db 300 AGA-VTKTIRRELNLNPEDGPAP 320

